POOL TECHNOLOGY

EXPORT PRICE LIST

2023/2024

GEMAS

GEMAS was established on 23.09.1993 by the iniative of Mr. İBRAHİM ÜSTÜNES who is currently the general manager of the company. In our region, GEMAS is a leader manufacturing company; having 1500 m² office, 20000 m² indoor production facility + warehouse and over 400 employees. The company has a continuous tendency of growth by means of the deep experience of engineering and manufacturing in the swimming pool sector.

GEMAS has a very wide range of products, manufactured under ISO 9001-2000 quality management system approved by TUV Sud; namely:

Roto-Molded, Injected and Blow Molded Thermoplastic, Bobbin Wound and FRP Sand Filters, Multiport Valves, Self-priming Pumps, Skimmers, Underwater Lights, Transformers, Inlets, Main Drains, Ladders, Diving Boards, Overflow Gratings, Automatic pH and Redox Controllers, Salt Chlorinators, Cleaners and Cleaning Accessories, UPVC Fittings and Valves, Olympic Pool Accessories, Heaters and Fountain Nozzles.

GEMAS Group has structured GEMPAS Pazarlama Lojistik A.S. company, based in Izmir, oppointed to run all sales, marketing and distribution activities of the group national and international. GEMPAS operates with 3000 sqm central warehouse in ITOB, same industrial zone with GEMAS factory, 3 sales shops around Turkey and 2 international subsidiaries Bulgaria and Dubai.

Group also includes another production company STAR Water Technology. Star is dedicated to produce high quality PVC pressure fittings and valves with FITVALF brand.

GEMAS Group with its production and distribution companies; are ready to provide high quality swimming pool products with competitive prices and very high customer satisfaction.

UNICERT UNIVERSAL QUALITÄT

POOL EQUIPMENT

01	Pumps	19
02	Sand Filters	38
03	Poolside Equipment	82
04	In-Pool Materials	107
05	Electrical Equipment	125
06	Disinfection Systems	174
07	Pool Chemicals	198
08	Test Kits	207
09	Cleaning Equipment	211
10	Heating Equipment	228
11	Water Attractions	241
12	Winter Pool Covers	259
13	Valves, Unions and Fittings	263
14	Olympic Pool Accessories	281
15	Spa & Sauna Equipment	295 302
16	Fountain Nozzles & Submersible Pumps	311 338
17	Concrete and Liner Pools & Pool Building Materials	351

WE HAVE EXPANDED OUR IZMIR FACTORY!...
We are at your service with our new sales organization...

We have optimised our production by increasing capacity at our Izmir Factory with 20000 m² production area and 1500 m² office area on 15 acres of land.

Our factory is located in ITOB Organized Industrial Zone between Menderes and Torbalı in Izmir. Our new sales organization "GEMPAS PAZARLAMA" started its operations in Izmir ITOB with a 3000 m² main warehouse.

All our domestic branches and international subsidiaries operate within the new sales organization with a total of 3500 m² closed warehouse space.



Istanbul Head Office





Izmir Factory



Gemas Pazarlama - Izmir Center



Istanbul Warehouse



Bodrum Branch Office



Antalya Branch Office



Gemas MEA, Dubai



/GemasPoolTechnology

/GemasGenel

/GemasHavuz

/Gemas_Havuz

/Gemas-Pool-Technology

GEMAS PAZARLAMA LOJISTIK TICARET A.S.
BANK ACCOUNT

- HALKBANK IBAN No:

TR29 0001 2009 7290 0058 0001 94 (€)
TR21 0001 2009 7290 0053 0001 82 ($)
SWIFT CODE: TRHBTR2AXXX

- GARANTI BANK IBAN No:

TR73 0006 2000 4480 0009 0719 05 (€)
TR03 0006 2000 4480 0009 0719 04 ($)
SWIFT CODE: TGBATRISXXX

POOL EQUIPMENT



01	Pumps	19
02	Sand Filters	38

Self-priming Pool Pumps

2850 rpm



GEMAS "DRIFTER" Self-priming, thermoplastic body pump with monoblock prefilter. Connections are with slip unions (Ø50 or Ø63) or female threaded (2"). **Pump shaft is stainless steel.** Easy opening lid with 40° rotation. Transparent 'Xylex' cover option for high chemical resistance against cracks. 3 l pre-filter basket much larger than its equivalent. Pump connection fittings can be tightened and opened with 50 mm Fitvalf Ball Valve. **The pump connection axial dimensions are suitable for replacement of many different branded pumps in the market.**

PRODUCT AVAILABLE FOR SALE ON AUGUST 2023.



2'' Female Connection



Ø50 or Ø63 Slip Connection

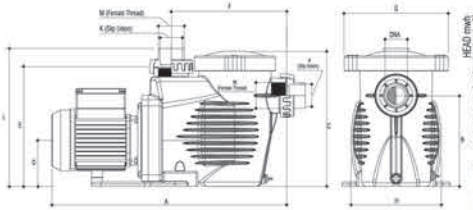


Wide and Clear View on Prefilter Lid



Stainless steel motor shaft

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
DRF-33M 1/3 HP, Monophase	**0111DRF33M**	**P.A.P.**	1	10,980	0,038
DRF-50M 1/2 HP, Monophase	**0111DRF50M**	**P.A.P.**	1	12,195	0,038
DRF-80M 3/4 HP, Monophase	**0111DRF75M**	**P.A.P.**	1	13,081	0,038
DRF-80T 3/4 HP, Triphase	**0111DRF75T**	**P.A.P.**	1	12,485	0,038
DRF-100M 1 HP, Monophase	**0111DRF100M**	**P.A.P.**	1	13,765	0,038
DRF-100T 1 HP, Triphase	**0111DRF100T**	**P.A.P.**	1	13,100	0,038
DRF-150M 1,5 HP, Monophase	**0111DRF150M**	**P.A.P.**	1	16,680	0,038
DRF-150T 1,5 HP, Triphase	**0111DRF150T**	**P.A.P.**	1	15,460	0,038
DRF-200M 2,0 HP, Monophase	**0111DRF200M**	**P.A.P.**	1	18,530	0,038
DRF-200T 2,0 HP, Triphase	**0111DRF200T**	**P.A.P.**	1	16,760	0,038
DRF-300M 3,0 HP, Monophase	**0111DRF300M**	**P.A.P.**	1	18,530	0,038
DRF-300T 3,0 HP, Triphase	**0111DRF300T**	**P.A.P.**	1	16,760	0,038



PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 5	6	8	10	12	14	16	18
						FLOW m³/h							
DRF-33M	0,33	12,5	2,70	-	-	11,00	10,00	7,00	5,00	-	-	-	-
DRF-50M	0,50	14	2,60	-	-	14,00	12,00	10,00	8,00	5,00	1,00	-	-
DRF-80T/M	0,75	14	3,50	2,60	1,45	16,00	15,00	13,00	11,00	9,00	6,00	1,00	-
DRF-100T/M	1	20	4,60	3,30	1,90	21,00	19,00	17,00	15,00	13,00	10,00	7,00	1,00
DRF-150T/M	1,5	25	6,40	4,70	2,70	27,00	25,00	23,00	21,00	19,00	15,00	11,00	6,00
DRF-200T/M	2	30	8,70	6,00	3,50	31,00	29,00	27,00	25,00	23,00	20,00	17,00	12,00
DRF-300T/M	3	30	8,70	6,00	3,50	35,00	34,00	31,00	29,00	26,00	23,00	21,00	16,00

PUMP TYPE	DIMENSIONS K	K	M	A	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Net Weight (Kg) Tri.	Gross Weight (Kg) Mo.	Gross Weight (Kg) Tri.
DRF-33M	Ø50	Ø50	2"	520	206	307	105	271	262	236	205	313	10,029	-	10,980	-
DRF-50M	Ø50	Ø50	2"	550	206	307	105	271	262	236	205	313	11,245	-	12,195	-
DRF-80T/M	Ø50	Ø50	2"	550	206	307	105	271	262	236	205	313	12,331	11,535	13,081	12,485
DRF-100T/M	Ø50	Ø50	2"	560	206	307	105	271	262	236	205	313	12,815	12,151	13,765	13,100
DRF-150T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	15,729	14,509	16,680	15,460
DRF-200T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	17,579	15,811	18,530	16,760
DRF-300T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	17,579	15,811	18,530	16,760

SUCTION PIPE DIMENSIONS

PUMP TYPE	DRF-33M	DRF-50M	DRF-80T/M	DRF-100T/M	DRF-150T/M	DRF-200T/M	DRF-300T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2 1/2"(Ø75 mm)	2 1/2"(Ø75 mm)	3" (Ø90 mm)	3" (Ø90 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

2850 rpm *"New Engine Technology"*

Self-priming Pool Pumps



NEW!

GEMAS "DRIFTER" Self-priming, thermoplastic body pump with monoblock prefilter. Connections are with slip unions (Ø50 or Ø63) or female threaded (2"). **Pump shaft is stainless steel.** Easy opening lid with 40° rotation. Transparent 'Xylex' cover option for high chemical resistance against cracks. 3 l pre-filter basket much larger than its equivalent. **Water insulated including motor connection box (= stator completely embedded in resin) IP55 motor.** Pump connection fittings can be tightened and opened with 50 mm Fitvalf Ball Valve. **The pump connection axial dimensions are suitable for replacement of many different branded pumps in the market. PRODUCT AVAILABLE FOR SALE ON AUGUST 2023.**

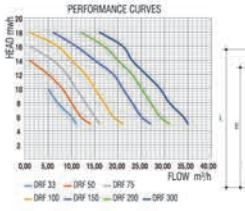
5 years Parts WARRANTY

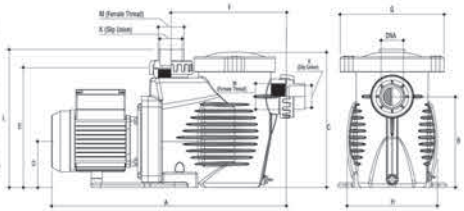
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
DRF-33M 1/3 HP, Monophase	0111DRF33MR	P.A.P.	1	10,980	0,038
DRF-50M 1/2 HP, Monophase	0111DRF50MR	P.A.P.	1	12,195	0,038
DRF-80M 3/4 HP, Monophase	0111DRF75MR	P.A.P.	1	13,081	0,038
DRF-80T 3/4 HP, Triphase	0111DRF75TR	P.A.P.	1	12,485	0,038
DRF-100M 1 HP, Monophase	0111DRF100MR	P.A.P.	1	13,765	0,038
DRF-100T 1 HP, Triphase	0111DRF100TR	P.A.P.	1	13,100	0,038
DRF-150M 1,5 HP, Monophase	0111DRF150MR	P.A.P.	1	16,680	0,038
DRF-150T 1,5 HP, Triphase	0111DRF150TR	P.A.P.	1	15,460	0,038
DRF-200M 2,0 HP, Monophase	0111DRF200MR	P.A.P.	1	18,530	0,038
DRF-200T 2,0 HP, Triphase	0111DRF200TR	P.A.P.	1	16,760	0,038
DRF-300M 3,0 HP, Monophase	0111DRF300MR	P.A.P.	1	18,530	0,038
DRF-300T 3,0 HP, Triphase	0111DRF300TR	P.A.P.	1	16,760	0,038

Water insulated motor advantages:

- **Strong protection in damp environments**
- **Extra resistance in motor room flooding**
- **Higher efficiency**
- **High wear resistance against vibration**
- **Quieter motor**
- **5-year warranty***

***excluding bearing and capacitor**







Insulated motor winding cross section

PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 5	6	8	10	12	14	16	18
						FLOW m³/h							
DRF-33M	0,33	12,5	2,70	-	-	11,00	10,00	7,00	5,00	-	-	-	-
DRF-50M	0,50	14	2,60	-	-	14,00	12,00	10,00	8,00	5,00	1,00	-	-
DRF-80T/M	0,75	14	3,50	2,60	1,45	16,00	15,00	13,00	11,00	9,00	6,00	1,00	-
DRF-100T/M	1	20	4,60	3,30	1,90	21,00	19,00	17,00	15,00	13,00	10,00	7,00	1,00
DRF-150T/M	1,5	25	6,40	4,70	2,70	27,00	25,00	23,00	21,00	19,00	15,00	11,00	6,00
DRF-200T/M	2	30	8,70	6,00	3,50	31,00	29,00	27,00	25,00	23,00	20,00	17,00	12,00
DRF-300T/M	3	30	8,70	6,00	3,50	35,00	34,00	31,00	29,00	26,00	23,00	21,00	16,00



Wide and Clear View on Prefilter Lid

PUMP TYPE	DIMENSIONS K	K	M	A	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
DRF-33M	Ø50	Ø50	2"	520	206	307	105	271	262	236	205	313	10,029	-	10,980	-
DRF-50M	Ø50	Ø50	2"	550	206	307	105	271	262	236	205	313	11,245	-	12,195	-
DRF-80T/M	Ø50	Ø50	2"	550	206	307	105	271	262	236	205	313	12,331	11,535	13,081	12,485
DRF-100T/M	Ø50	Ø50	2"	560	206	307	105	271	262	236	205	313	12,815	12,151	13,765	13,100
DRF-150T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	15,729	14,509	16,680	15,460
DRF-200T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	17,579	15,811	18,530	16,760
DRF-300T/M	Ø63	Ø63	2"	580	206	307	105	271	262	236	205	313	17,579	15,811	18,530	16,760

SUCTION PIPE DIMENSIONS

PUMP TYPE	DRF-33M	DRF-50M	DRF-80T/M	DRF-100T/M	DRF-150T/M	DRF-200T/M	DRF-300T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2 1/2"(Ø75 mm)	2 1/2"(Ø75 mm)	3" (Ø90 mm)	3" (Ø90 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.



Large volume basket

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

Self-priming Pool Pumps

2850 rpm

GEMAS "STREAMER 2010" Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Models of 1 HP and below - suction Ø is 1,5" and discharge Ø is 2". Models of 1,5 HP and above - both suction and discharge Ø are 2". Connection unions are compatible with Fitvalf d50 ball valve handle. Easy opening lid with 40° rotation. Optional **"Xylex"** lid for aggressive chemical resistance. Large pre-filter basket. 2850 rpm - IP55 motor. **Pump shaft is stainless steel.**




Easy access lid

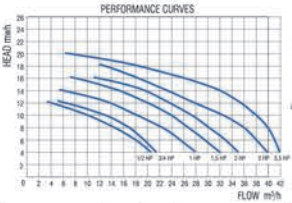

Wide and clear view on prefilter lid
Made of polycarbonate

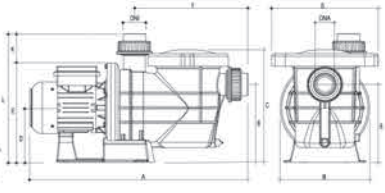

Coupling compatible with
d50 Fitvalf ball valve handle


Large volume basket


Stainless steel motor shaft

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
STRN-50M 1/2 HP, Monophase	**0111STRN50M**	**382,00**	1	11,514	0,051
STRN-80M 3/4 HP, Monophase	**0111STRN75M**	**393,00**	1	12,484	0,051
STRN-80T 3/4 HP, Triphase	**0111STRN75T**	**361,00**	1	11,750	0,051
STRN-100M 1 HP, Monophase	**0111STRN100M**	**407,00**	1	13,609	0,051
STRN-100T 1 HP, Triphase	**0111STRN100T**	**370,00**	1	12,244	0,051
STRN-150M 1,5 HP, Monophase	**0111STRN150M**	**455,00**	1	16,344	0,051
STRN-150T 1,5 HP, Triphase	**0111STRN150T**	**455,00**	1	15,669	0,051
STRN-200M 2,0 HP, Monophase	**0111STRN200M**	**491,00**	1	18,404	0,051
STRN-200T 2,0 HP, Triphase	**0111STRN200T**	**470,00**	1	17,534	0,051
STRN-300M 3,0 HP, Monophase	**0111STRN300M**	**527,00**	1	18,404	0,051
STRN-300T 3,0 HP, Triphase	**0111STRN300T**	**494,00**	1	17,534	0,051
STRN-350M 3,5 HP, Monophase	**0111STRN350M**	**779,00**	1	21,704	0,054
STRN-350T 3,5 HP, Triphase	**0111STRN350T**	**736,00**	1	20,384	0,054





PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 4	6	8	10	12	14	16	18	20
						FLOW m³/h								
STRN-50T/M	0,50	14	2,60	-	-	20,50	18,00	14,30	10,00	4,00	-	-	-	-
STRN-80T/M	0,75	14	3,50	2,50	1,45	21,70	19,50	17,00	13,00	6,00	-	-	-	-
STRN-100T/M	1	20	4,60	3,30	1,90	28,00	25,70	22,50	18,00	13,90	6,00	-	-	-
STRN-150T/M	1,5	25	6,40	4,70	2,70	32,00	29,70	26,50	24,00	20,00	15,50	8,00	-	-
STRN-200T/M	2	30	8,70	6,00	3,50	35,00	33,00	30,00	27,50	23,80	19,50	12,00	-	-
STRN-300T/M	3	30	8,70	6,00	3,50	40,00	38,00	36,00	32,40	27,60	23,20	18,50	13,00	-
STRN-350T/M	3,5	65	12,30	7,65	4,40	42,00	41,00	40,00	38,00	35,50	32,00	26,40	18,50	7,10

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	I	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
STRN-50T/M	1 1/2"	1 1/2"	610	80	215	310	160	275	320	292	245	355	10,290	-	11,514	-
STRN-80T/M	2"	1 1/2"	610	80	215	310	145	275	320	292	245	355	11,234	-	12,484	-
STRN-100T/M	2"	1 1/2"	610	80	215	310	145	275	320	292	245	355	12,360	11,000	13,609	12,244
STRN-150T/M	2"	2"	630	80	215	310	160	275	320	292	245	355	15,095	14,420	16,344	15,669
STRN-200T/M	2"	2"	630	80	215	310	145	275	320	292	245	355	17,150	16,280	18,404	17,534
STRN-300T/M	2"	2"	630	80	215	310	145	275	320	292	245	355	17,150	16,280	18,404	17,534
STRN-350T/M	2"	2"	670	80	215	310	145	275	320	292	245	355	20,450	19,130	21,704	20,384

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRN-50T/M	STRN-80T/M	STRN-100T/M	STRN-150T/M	STRN-200T/M	STRN-300T/M	STRN-350T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)	2 1/2" (Ø75 mm)	3" (Ø90 mm)	3" (Ø90 mm)	4" (Ø110 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

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2850 rpm

Self-priming Insulated Motor Pumps



GEMAS "STREAMER MINI"
Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. **Pump shaft in stainless steel.** Suction & Discharge 1 1/2". 2850 rpm - IP 55 Motor. Connections are with unions compatible with Fitvalf d50 Ball Valve. Easy opening lid with 40° rotation. **"Xylex"** lid option against aggressive chemicals.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
STRM-33RM 1/3 HP, Monophase	**0111STRM33M**	**276,00**	1	10,980	0,037
STRM-50RM 1/2 HP, Monophase	**0111STRM50M**	**340,00**	1	11,140	0,037
STRM-80RM 3/4 HP, Monophase	**0111STRM80M**	**350,00**	1	13,200	0,037
STRM-80RT 3/4 HP, Triphase	**0111STRM80T**	**326,00**	1	13,000	0,037
STRM-100RM 1 HP, Monophase	**0111STRM100M**	**361,00**	1	12,800	0,037
STRM-100RT 1 HP, Triphase	**0111STRM100T**	**328,00**	1	11,620	0,037
STRM-150RM 1,5 HP, Monophase	**0111STRM150M**	**377,00**	1	12,800	0,037
STRM-150RT 1,5 HP, Triphase	**0111STRM150T**	**377,00**	1	11,620	0,037

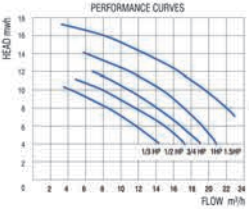

Easy access lid

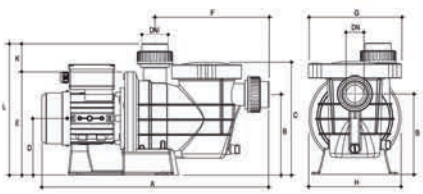

Insulated motor winding cross section


Coupling compatible with d50 Fitvalf ball valve handle


Noryl impeller


Stainless steel motor shaft





PUMP TYPE	HP	CON-DEN-SER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 4	6	8	10	11	12	14	16	17
						FLOW m³/h								
STRM-0,33M	0,33	12,50	2,70	-	-	14,10	11,60	8,30	4,00	-	-	-	-	-
STRM-0,50M	0,50	14,00	2,60	-	-	17,20	14,90	11,40	7,90	4,80	-	-	-	-
STRM-0,80T/M	0,75	14,00	3,50	2,50	1,45	18,90	16,70	13,50	10,80	9,00	6,80	-	-	-
STRM-1,00T/M	1,00	14,00	3,50	2,50	1,45	20,80	19,30	17,10	14,90	13,20	10,50	6,00	-	-
STRM-1,50T/M	1,50	20,00	4,60	3,30	1,90	26,00	24,80	22,00	19,50	18,00	16,50	12,50	15,00	-

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
STRM-0,33M	1 1/2"	1 1/2"	510	70	175	265	140	240	255	210	210	315	9,980	-	10,980	-
STRM-0,50M	1 1/2"	1 1/2"	540	70	175	265	140	240	255	210	210	315	10,140	-	11,140	-
STRM-0,80T/M	1 1/2"	1 1/2"	540	70	175	265	140	240	255	210	210	315	12,200	-	13,200	13,000
STRM-1,00T/M	1 1/2"	1 1/2"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620
STRM-1,50T/M	1 1/2"	1 1/2"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRM-33M	STRM-50M	STRM-80T/M	STRM-100T/M	STRM-150T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	1 1/2"(Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

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Self-priming - Variable Speed Pumps

"Saving Energy"

2100/2400/2850 rpm

2 years Parts WARRANTY



GEMAS "RANGER" Self-priming, thermoplastic body pump with monoblock pre-filter. Connections are with unions; 1,5 HP model - suction Ø is 1,5" and discharge Ø is 2". 3 HP Model - both suction and discharge Ø are 2". **Pump shaft is stainless steel.** Easy opening lid with 40° rotation. Transparent **"Xylex"** cover option with high chemical resistance against cracks. 4,5 l pre-filter basket much larger thanits equivalents. Pump connection fittings can be tightened and opened with 50 mm Fitvalf Ball Valve Handle. **Three cycles,** Possibility to choose between 1400-2850 cycles. Factory settings: 1st cycle - 2100 rpm, 2nd cycle - 2400 rpm, 3rd cycle - 2850 rpm. **Permanent Magnet - IP55 motor.** Cable connection is available for speed control from the external panel. Motors are singlephase input. It has soft start and stop features.



Speed controlled



Easy access lid



Wide and clear view on prefilter lid Made of polycarbonate

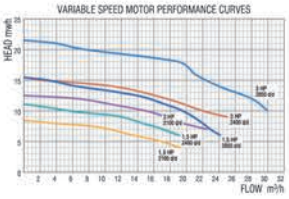


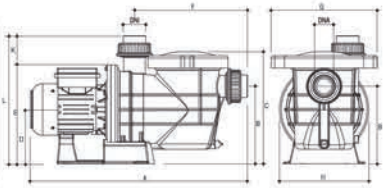
Coupling compatible with d50 Fitvalf ball valve handle



Stainless steel motor shaft

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
RN-150M 1,5 HP, Monophase	**0111RN150M**	**1114,00**	1	14,000	0,051
RN-300M 3,0 HP, Monophase	**0111RN300M**	**2.060,00**	1	19,050	0,051





PUMP TYPE		HEAD mwh														
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	17,5
RN-150M	1,5	FLOW m³/h														
2100 rpm		18,25	15,85	13,35	10,11	3,43	-	-	-	-	-	-	-	-	-	-
2400 rpm		-	-	19,06	17,05	14,40	11,88	5,55	-	-	-	-	-	-	-	-
2850 rpm		-	-	24,15	23,30	22,00	20,90	19,50	17,37	15,30	11,50	6,40	2,40	-	-	-
		AMPERES II 220 V														
2100 rpm		2,50	2,40	2,20	2,20	1,60	1,30	-	-	-	-	-	-	-	-	-
2400 rpm		-	-	3,50	3,50	3,40	3,00	2,40	1,70	-	-	-	-	-	-	-
2850 rpm		-	-	6,00	5,90	5,90	5,80	5,90	5,60	5,40	4,90	4,10	3,30	2,90	-	-

PUMP TYPE		HEAD mwh													
		7	8	9	10	11	12	14	15	15,5	16	18	20	21	21,5
RN-300M	3,0	FLOW m³/h													
2100 rpm		22,50	19,50	17,50	15,00	11,00	6,50	-	-	-	-	-	-	-	-
2400 rpm		-	-	25,00	22,00	19,00	17,50	11,00	2,00	-	-	-	-	-	-
2850 rpm		-	-	-	30,00	28,50	28,00	24,00	-	-	21,00	19,00	7,50	4,00	-
		AMPERES II 220 V													
2100 rpm		7,00	6,70	6,50	5,90	5,20	4,40	-	-	-	-	-	-	-	-
2400 rpm		-	-	10,30	9,30	-	8,50	7,00	5,30	5,00	-	-	-	-	-
2850 rpm		-	-	-	14,60	-	14,60	14,60	-	-	14,60	13,20	9,90	8,40	8,00

PUMP TYPE	DIMENSIONS												Net Weight (Kg)	Gross Weight (Kg)
	DNA	DNI	A	K	B	C	D	E	F	G	H	I	Monophase	Monophase
RN-150M	2"	11/2"	615	80	215	310	160	275	320	292	245	355	11,650	14,000
RN-300M	2"	2"	730	80	205	310	160	275	320	292	245	355	17,400	19,050

SUCTION PIPE DIMENSIONS

PUMP TYPE	RN-150M	RN-300M
Ø SUCTION PIPE	2 1/2" (Ø75 mm)	3" (Ø90 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

Example: 3 HP pump running at 2000 rpm **saves approximately 50E per month.**

"New Inverter Technology"

ISAVER - Pool Pump Frequency Inverter

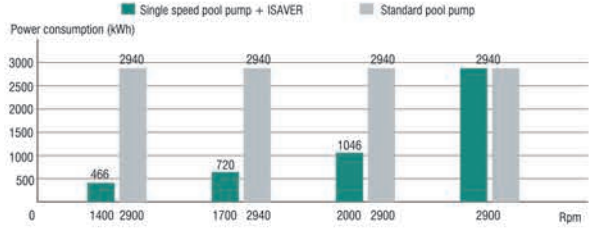


2 years Parts WARRANTY

GEMAS "ISAVER". The first "Touch Screen" frequency inverter manufactured in the pool industry. By adjusting the running speed of the pool pump, it delivers significant electricity savings and silent operation. In addition, it allows automatic operation adjustment with different cycles in 4 different time intervals during the day. Consumption power values corresponding to the revolutions set are displayed on the screen. It is also possible to adjust the speed during operation. There are different models of the device for three-phase and single-phase motors as shown in the table below. Max. capacity is 2,2 kW. There are dry contacts inside the device for different types of external controls.

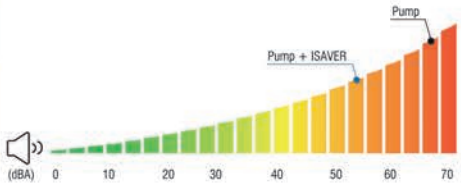
PROVIDES SIGNIFICANT ENERGY SAVING.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
ISAVER 1100	**0111INV1100**	**486,00**	1		
ISAVER 1100C	**0111INV1100C**	**486,00**	1		
ISAVER 2200	**0111INV2200**	**536,00**	1		
ISAVER 2200C	**0111INV2200C**	**536,00**	1		



ISAVER Comparison Chart





TECHNICAL SPECIFICATIONS

MODEL	ISAVER 1100	ISAVER 2200	ISAVER 1100C	ISAVER 2200C
Operating Temp.	-10 ~ 40°C	-10 ~ 40°C	-10 ~ 40°C	-10 ~ 40°C
Input Power	1ph AC	1ph AC	1ph AC	1ph AC
Input Voltage	220V~240V	220V~240V	220V~240V	220V~240V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Output Voltage	Mono, 0~240V	Mono, 0~240V	Tri, 0~240V	Tri, 0~240V
Output Power	Max 1.1kW	Max 2.2kW	Max 1.1kW	Max 2.2kW
Output Current	Max 6A	Max 12A	Max 4.5A	Max 8A
Pump Type	Monophase	Monophase	Triphase	Triphase
Speed Range	1200 ~ 2900 rpm			

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Self-priming Insulated Motor Pumps

2850 rpm

GEMAS "STREAMER-R" Self-priming, thermoplastic body pump with monoblock pre-filter. Connection are with unions. Model 0,5 HP - both suction and discharge Ø are 1,5". Models 0,75 HP and 1 HP - suction Ø is 1,5" and discharge Ø is 2". Models of 1,5 HP and above - both suction and discharge Ø are 2". **Pump shaft is stainless steel.** Easy opening lid with 40° rotation. Transparent **"Xylex"** cover option for high chemical resistance against cracks. 4,5 l pre-filter basket much larger than its equivalent. **Water insulated including motor connection box (= stator completely embedded in resin) IP55 motor.** Pump connection fittings can be tightened and opened with 50 mm Fitvalf Ball Valve Handle.



Water insulated motor advantages:

- **Strong protection in damp environments**
- **Extra resistance in motor room flooding**
- **Higher efficiency**
- **High wear resistance against vibration**
- **Quieter motor**
- **5-year warranty***

***excluding bearing and capacitor**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
STRN-50RM 1/2 HP, Monophase	0111STRN50MR	460,00	1	13,100	0,051
STRN-80RM 3/4 HP, Monophase	0111STRN75MR	472,00	1	15,200	0,051
STRN-80RT 3/4 HP, Triphase	0111STRN75TR	425,00	1	13,700	0,051
STRN-100RM 1 HP, Monophase	0111STRN100MR	493,00	1	15,650	0,051
STRN-100RT 1 HP, Triphase	0111STRN100TR	444,00	1	14,750	0,051
STRN-150RM 1,5 HP, Monophase	0111STRN150MR	545,00	1	17,950	0,051
STRN-150RT 1,5 HP, Triphase	0111STRN150TR	545,00	1	17,700	0,051
STRN-200RM 2,0 HP, Monophase	0111STRN200MR	565,00	1	18,000	0,051
STRN-200RT 2,0 HP, Triphase	0111STRN200TR	564,00	1	17,800	0,051
STRN-300RM 3,0 HP, Monophase	0111STRN300MR	632,00	1	18,100	0,051
STRN-300RT 3,0 HP, Triphase	0111STRN300TR	593,00	1	17,900	0,051
STRN-350RM 3,5 HP, Monophase	0111STRN350MR	935,00	1	23,200	0,054
STRN-350RT 3,5 HP, Triphase	0111STRN350TR	882,00	1	23,000	0,054



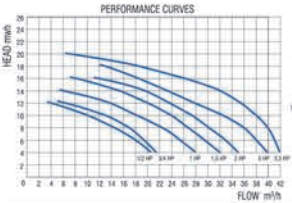


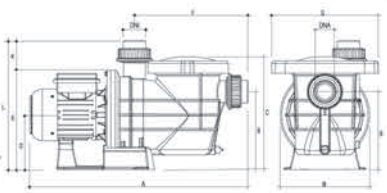


Water insulated electrical connection box - Monophase



Water insulated electrical connection box - Triphase





PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 4	6	8	10	12	14	16	18	20
						FLOW m³/h								
STRN-50T/M	0,50	16	2,73	-	-	20,50	18,00	14,30	10,00	4,00	-	-	-	-
STRN-80T/M	0,75	20	3,88	2,33	1,35	21,70	19,50	17,00	13,00	6,00	-	-	-	-
STRN-100T/M	1	25	5,15	3,03	1,75	28,00	25,70	22,50	18,00	13,90	6,00	-	-	-
STRN-150T/M	1,5	30	7,02	4,42	2,55	32,00	29,70	26,50	24,00	20,00	15,50	8,00	-	-
STRN-200T/M	2	40	8,60	5,50	3,50	35,00	33,00	30,00	27,50	23,80	19,50	12,00	-	-
STRN-300T/M	3	40	8,90	6,01	3,90	40,00	38,00	36,00	32,40	27,60	23,20	18,50	13,00	-
STRN-350T/M	3,5	60	12,60	8,61	4,98	42,00	41,00	40,00	38,00	35,50	32,00	26,40	18,50	7,10

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Net Weight (Kg) Tri.	Gross Weight (Kg) Mo.	Gross Weight (Kg) Tri.
STRN-50T/M	1 1/2"	1 1/2"	610	80	215	310	160	275	320	292	245	355	11,800	-	13,100	-
STRN-80T/M	2"	1 1/2"	610	80	215	310	160	275	320	292	245	355	13,900	12,400	15,200	13,700
STRN-100T/M	2"	1 1/2"	610	80	215	310	160	275	320	292	245	355	14,350	13,450	15,650	14,750
STRN-150T/M	2"	2"	630	80	215	310	160	275	320	292	245	355	16,650	16,400	17,950	17,700
STRN-200T/M	2"	2"	630	80	215	310	160	275	320	292	245	355	-	16,500	18,000	17,800
STRN-300T/M	2"	2"	630	80	215	310	160	275	320	292	245	355	-	16,600	18,100	17,900
STRN-350T/M	2"	2"	670	80	215	310	160	275	320	292	245	355	-	21,500	23,200	23,000

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRN-50T/M	STRN-80T/M	STRN-100T/M	STRN-150T/M	STRN-200T/M	STRN-300T/M	STRN-350T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)	2 1/2" (Ø75 mm)	3" (Ø90 mm)	3" (Ø90 mm)	4" (Ø110 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

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2850 rpm

Self-priming Insulated Motor Pumps

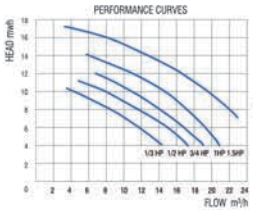


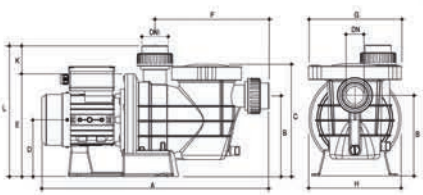
GEMAS "STREAMER-R MINI" Self-priming, thermoplastic body pump with monoblock prefilter. Connections are with unions; 1 1/2" (50mm). **Pump shaft is stainless steel.** Easy opening lid with 40° rotation. Transparent 'Xylex' cover option for high chemical resistance against cracks. 4,5 l pre-filter basket much larger than its equivalent. **Water insulated including motor connection box (= stator completely embedded in resin) IP55 motor.** Pump connection fittings can be tightened and opened with 50 mm Fitvalf Ball Valve.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
STRM-33RM 1/3 HP, Monophase	**0111STRM33MR**	**348,00**	1	10,980	0,037
STRM-50RM 1/2 HP, Monophase	**0111STRM50MR**	**423,00**	1	11,140	0,037
STRM-80RM 3/4 HP, Monophase	**0111STRM80MR**	**434,00**	1	13,200	0,037
STRM-80RT 3/4 HP, Triphase	**0111STRM80TR**	**391,00**	1	13,000	0,037
STRM-100RM 1 HP, Monophase	**0111STRM100MR**	**436,00**	1	12,800	0,037
STRM-100RT 1 HP, Triphase	**0111STRM100TR**	**404,00**	1	11,620	0,037
STRM-150RM 1,5 HP, Monophase	**0111STRM150MR**	**463,00**	1	12,800	0,037
STRM-150RT 1,5 HP, Triphase	**0111STRM150TR**	**463,00**	1	11,620	0,037



Insulated motor winding cross section







Coupling compatible with d50 Fitvalf ball valve handle

PUMP TYPE	HP	CON-DEN-SER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 4	6	8	10	11	12	14	16	17
						FLOW m³/h								
STRM-0,33M	0,33	16	2,50	-	-	14,10	11,60	8,30	4,00	-	-	-	-	-
STRM-0,50M	0,50	20	2,70	2,33	-	17,20	14,90	11,40	7,90	4,80	-	-	-	-
STRM-0,80T/M	0,75	25	3,40	3,03	1,44	18,90	16,70	13,50	10,80	9,00	6,80	-	-	-
STRM-1,00T/M	1,00	30	3,60	4,42	1,46	20,80	19,30	17,10	14,90	13,20	10,50	6,00	-	-
STRM-1,50T/M	1,50	30	5,15	4,60	2,30	26,00	24,80	22,00	19,50	18,00	16,50	12,50	15,00	-

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
STRM-0,33M	11/2"	11/2"	510	70	175	265	140	240	255	210	210	315	9,980	-	10,980	-
STRM-0,50M	11/2"	11/2"	540	70	175	265	140	240	255	210	210	315	10,140	-	11,140	-
STRM-0,80T/M	11/2"	11/2"	540	70	175	265	140	240	255	210	210	315	12,200	-	13,200	13,000
STRM-1,00T/M	11/2"	11/2"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620
STRM-1,50T/M	11/2"	11/2"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620



Stainless steel motor shaft

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRM-33M	STRM-50M	STRM-80T/M	STRM-100T/M	STRM-150T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	1 1/2"(Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.



Noryl impeller

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Self-priming Pumps

2850 rpm



GEMAS "PUMPEX 2010" Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Suction 1 1/2"-. Discharge 2"; bigger sizes both 2". Connections are with unions. Easy opening lid with 40° turninig. **"Xylex"** lid option against aggressive chemicals. Larger basket. 2850 rpm - IP 55 Motor. **Pump shaft in stainless steel.**



Wide and clear view on prefilter lid
Made of polycarbonate



Large volume basket

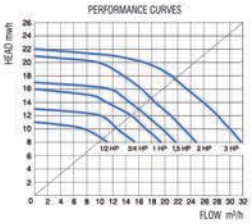


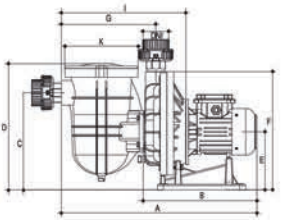
Stainless steel motor shaft

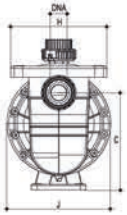


Noryl impeller

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PUMPEX-50M 0,50 HP, Monophase	**0111PX50M**	**432,00**	1	18,120	0,096
PUMPEX-75M 0,75 HP, Monophase	**0111PX75M**	**440,00**	1	20,320	0,096
PUMPEX-75T 0,75 HP, Triphase	**0111PX75T**	**389,00**	1	19,120	0,096
PUMPEX-100M 1 HP, Monophase	**0111PX100M**	**464,00**	1	20,320	0,096
PUMPEX-100T 1 HP, Triphase	**0111PX100T**	**407,00**	1	19,120	0,096
PUMPEX-150M 1,5 HP, Monophase	**0111PX150M**	**504,00**	1	20,120	0,096
PUMPEX-150T 1,5 HP, Triphase	**0111PX150T**	**485,00**	1	21,120	0,096
PUMPEX-200M 2 HP, Monophase	**0111PX200M**	**540,00**	1	25,120	0,096
PUMPEX-200T 2 HP, Triphase	**0111PX200T**	**516,00**	1	23,120	0,096
PUMPEX-300M 3 HP, Monophase	**0111PX300M**	**580,00**	1	26,120	0,096
PUMPEX-300T 3 HP, Triphase	**0111PX300T**	**544,00**	1	26,120	0,096







PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh / FLOW m³/h 8	10	12	14	15	16	18	20
PX-50M	0,50	13	2,60	-	-	11,14	7,25	-	-	-	-	-	-
PX-75T/M	0,75	20	3,80	3,70	-	15,33	12,64	10,00	-	-	-	-	-
PX-100T/M	1	25	4,95	3,11	1,80	19,43	17,00	14,84	11,00	8,89	-	-	-
PX-150T/M	1,5	30	7,80	4,41	2,55	21,65	19,47	17,12	14,57	13,30	11,36	-	-
PX-200T/M	2	40	9,90	5,88	3,40	24,80	22,90	20,90	18,40	17,50	16,40	13,60	9,60
PX-300T/M	3	40	-	8,00	4,90	32,00	30,00	28,00	26,00	25,00	23,50	21,00	17,00

PUMP TYPE	DIMENSIONS DNA	DNI	A	B	C	D	E	F	G	I	H	J	K	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
PX-50M	2"	2"	730	375	295	384	185	355	390	490	292	315	225	16,500	-	18,120	-
PX-75T/M	2"	2"	730	375	295	384	185	355	390	490	292	315	225	17,420	-	20,320	19,120
PX-100T/M	2"	2"	730	375	295	384	185	355	390	490	292	315	225	18,620	17,420	20,320	19,120
PX-150T/M	2"	2"	750	395	295	384	185	355	390	490	292	315	225	18,520	19,420	20,120	21,120
PX-200T/M	2"	2"	750	395	295	384	185	355	390	490	292	315	225	23,420	21,420	25,120	23,120
PX-300T/M	2"	2"	750	395	295	384	185	355	390	490	292	315	225	24,120	24,420	26,120	26,120

SUCTION PIPE DIMENSIONS

PUMP TYPE	PX-75T/M	PX-100T/M	PX-150T/M	PX-200T/M	PX-300T/M
Ø SUCTION PIPE	1 1/2"(Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm	3" (Ø90 mm)

PS: It is recommended to use conical reduction at the suction line of the pump.

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2850 rpm

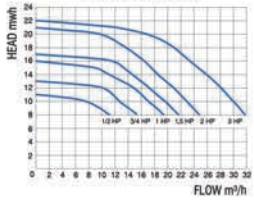
Self-priming Pumps

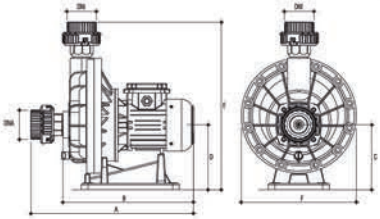
GEMAS "PUMPEX-JET".
Counter current pump. Suction 2", Discharge 1 1/2". Connections are with unions.
Pump shaft in stainless steel. IP55 motor.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PUMPEXJ-50M 0,50 HP, Monophase	**0111PXJ50M**	**386,00**	1	16,000	0,066
PUMPEXJ-75M 0,75 HP, Monophase	**0111PXJ75M**	**395,00**	1	17,000	0,066
PUMPEXJ-75T 0,75 HP, Triphase	**0111PXJ75T**	**359,00**	1	16,000	0,066
PUMPEXJ-100M 1 HP, Monophase	**0111PXJ100M**	**407,00**	1	17,000	0,066
PUMPEXJ-100T 1 HP, Triphase	**0111PXJ100T**	**377,00**	1	16,000	0,066
PUMPEXJ-150M 1,5 HP, Monophase	**0111PXJ150M**	**455,00**	1	17,000	0,066
PUMPEXJ-150T 1,5 HP, Triphase	**0111PXJ150T**	**455,00**	1	18,000	0,066
PUMPEXJ-200M 2 HP, Monophase	**0111PXJ200M**	**510,00**	1	22,000	0,066
PUMPEXJ-200T 2 HP, Triphase	**0111PXJ200T**	**486,00**	1	21,000	0,066
PUMPEXJ-300M 3 HP, Monophase	**0111PXJ300M**	**550,00**	1	22,000	0,066
PUMPEXJ-300T 3 HP, Triphase	**0111PXJ300T**	**514,00**	1	21,000	0,066



PERFORMANCE CURVES







Cross section of impeller system.

PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 220 V | 380 V	HEAD mwh 8	10	12	14	15	16	18	20
					FLOW m³/h							
PXJ-50M	0,50	13	2,60	- -	11,14	7,25	-	-	-	-	-	-
PXJ-75T/M	0,75	20	3,80	3,70 -	15,33	12,64	10,00	-	-	-	-	-
PXJ-100T/M	1	25	4,95	3,11 1,80	19,43	17,00	14,84	11,00	8,89	-	-	-
PXJ-150T/M	1,5	30	7,80	4,41 2,55	21,65	19,47	17,12	14,57	13,30	11,36	-	-
PXJ-200T/M	2	40	9,90	5,88 3,40	24,80	22,90	20,90	18,40	17,50	16,40	13,60	9,60
PX-300T/M	3	40	-	8,00 4,90	32,00	30,00	28,00	26,00	25,00	23,50	21,00	17,00

PUMP TYPE	DIMENSIONS DNA	DNI	A	B	C	D	E	F	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
PXJ-50M	2"	2"	470	375	185	185	460	315	16,500	-	18,120	-
PXJ-75T/M	2"	2"	470	375	185	185	460	315	17,420	-	20,320	19,120
PXJ-100T/M	2"	2"	470	375	185	185	460	315	18,620	17,420	20,320	19,120
PXJ-150T/M	2"	2"	490	395	185	185	460	315	18,520	19,420	20,120	21,120
PXJ-200T/M	2"	2"	490	395	185	185	460	315	23,420	21,420	25,120	23,120
PXJ-300T/M	2"	2"	490	395	185	185	460	315	24,120	24,420	26,120	26,120

TYPE	Packing Dimentions (mm)
PXJ - 50 / 75 / 100 / 150 / 200 / 300	560 x 360 x 400

GEMAS "STREAMER MICRO"
Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter.
Suction & Discharge 1 1/2". Connections are with unions. 2850 rpm - IP 55 Motor.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
STR-250MIC 1/3 HP, Monophase	**0111STRMIC30**	**245,00**	1	11,880	0,051
STR-370MIC 1/2 HP, Monophase	**0111STRMIC40**	**254,00**	1	12,850	0,051



With union connection

PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	HEAD mwh 6	7	8	9	10	13	14
				FLOW m³/h						
STR-250MIC	0,33	-	1,20	5,70	5,10	4,30	3,50	1,50	-	-
STR-370MIC	0,50	-	2,20	7,50	7,00	6,50	5,90	5,20	2,10	-

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Self-priming Pool Pumps

2850 rpm

GEMAS "FLOODER" Self-priming, thermoplastic body Commercial Pool Pump; complete with 20 l pre-filter. Suction and Discharge 4" (Ø110). Connections are with slip unions. **Pump shaft in stainless steel.**
2850 rpm - IP55 Motor.





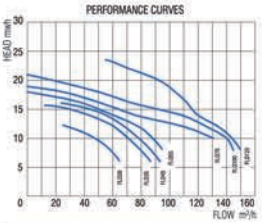
Stainless steel motor shaft

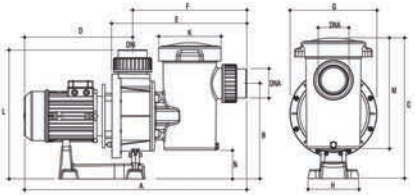
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 HP, Monophase, FLO 300M	**0111FLO30M**	**788,00**	1	33,250	
3 HP, Triphase, FLO 300T	**0111FLO30**	**753,00**	1	32,250	
3,5 HP, Monophase, FLO 350M	**0111FLO35M**	**863,00**	1	33,250	
3,5 HP, Triphase, FLO 350T	**0111FLO35**	**788,00**	1	32,250	
4,5 HP, Triphase, FLO 450T	**0111FLO45**	**860,00**	1	35,350	
5,5 HP, Triphase, FLO 550T	**0111FLO55**	**980,00**	1	42,100	
7,5 HP, Triphase, FLO 750T	**0111FLO75**	**1.256,00**	1	49,950	
10 HP, Triphase, FLO 1000T	**0111FLO100**	**1.475,00**	1	56,100	
12,5 HP, Triphase, FLO 1250T	**0111FLO125**	**1.676,00**	1	56,100	

PS: * All models could be coupled with larger capacity pre-filters upon request.
** In cases of High Pressure due to pool depth, a polyester pre-filter is preferred.
See stock code 013209 - FR Polyester Pre Filter.



Noryl impeller







d.110 slip connection

PUMP TYPE	HP	CONDENSER (µF)	AMPERES II 220 V	AMPERES III 230 V	AMPERES III 380 V	HEAD mwh 6	8	10	12	14	16	17
						FLOW m³/h						
0111FL030	3,0	-	-	10,40	6,00	65,00	56,50	47,00	25,00	-	-	-
0111FL035	3,5	-	-	10,40	6,00	86,00	78,00	70,00	60,00	45,00	12,00	-
0111FL045	4,5	-	-	11,70	6,75	94,00	88,00	78,00	68,00	55,00	24,00	-
0111FL055	5,5	-	-	13,80	8,00	102,00	95,00	88,00	78,00	60,00	40,00	23,00

PUMP TYPE	HP	CONDENSER (µF)	AMPERES III 230 V	AMPERES III 400 V	AMPERES III 700 V	HEAD mwh 8	10	12	14	16	18	20	24	25
						FLOW m³/h								
0111FL075	7,5	-	-	12,10	7,00	140,00	131,00	110,00	76,00	53,00	25,00	-	-	-
0111FL0100	10,0	-	-	15,80	9,20	145,00	140,00	126,00	108,00	75,00	50,00	18,00	-	-
0111FL0125	12,5	-	-	15,80	9,20	150,00	144,00	134,30	120,00	113,00	104,00	92,70	56,80	-

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	L	M	N	Net Weight (Kg)	Gross Weight (Kg)
0111FL030	4"	4"	890	265	415	590	400	573	485	358	210	550	467	115	30,750	32,250
0111FL035	4"	4"	890	265	415	590	400	573	485	358	210	550	467	115	30,750	32,250
0111FL045	4"	4"	890	265	415	590	400	573	485	358	210	550	467	115	33,850	35,350
0111FL055	4"	4"	910	265	415	590	420	573	485	358	210	550	467	115	40,600	42,100
0111FL075	4"	4"	910	265	415	590	420	573	485	358	210	550	467	115	48,450	49,950
0111FL0100	4"	4"	930	265	415	590	440	573	485	358	210	550	467	115	54,600	56,100
0111FL0125	4"	4"	930	265	415	590	440	573	485	358	210	550	467	115		

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FL030	0111FL035	0111FL045	0111FL055	0111FL075	0111FL0100	0111FL0125
Ø SUCTION PIPE	41/2"(Ø125 mm)	5"(Ø140 mm)	5"(Ø140 mm)	6"(Ø160 mm)	7"(Ø200 mm)	7"(Ø200 mm)	7"(Ø200 mm)

Note: We recommend using conical reductions at the pump suction point if reducing from the above pipe diameters down to 4" (110 mm).

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1450 rpm



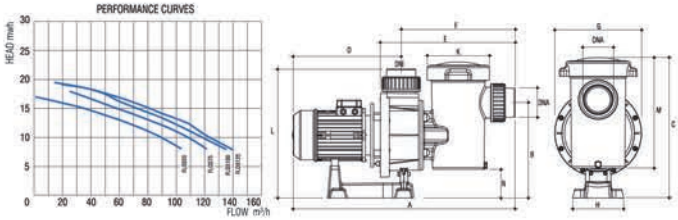
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Self-priming Pool Pumps

GEMAS "FLOODER" Self-priming, thermoplastic body Commercial Pool Pump; complete with 20 l pre-filter. Suction and Discharge 4" (Ø110). Connections are with slip unions. **Pump shaft in stainless steel.** 1450 rpm - IP55 Motor.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5,5 HP, Triphase, FLOS550T	**0111FLOS55**	**1.321,00**	1	42,100	0,213
7,5 HP, Triphase, FLOS750T	**0111FLOS75**	**1.421,00**	1	49,950	0,213
10 HP, Triphase, FLOS1000T	**0111FLOS100**	**1.608,00**	1	56,100	0,213
12,5 HP, Triphase, FLOS1250T	**0111FLOS125**	**1.844,00**	1	56,100	0,213

PS: * All models can be produced with Ø125 or Ø110 mm suction connection.
** In cases of High Pressure due to pool depth, a polyester pre-filter is preferred.
See stock code 013209 - FR Polyester Pre Filter.





Stainless steel motor shaft



Noryl impeller



d.110 slip connection

PUMP TYPE	HP	CONDEN-SER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 6	8	10	12	14	16	17
						FLOW m³/h						
0111FLOS55	5,5	-	-			-	105,00	90,00	70,00	45,00	15,00	-

PUMP TYPE	HP	CONDEN-SER (µF)	AMPERES III 230 V	AMPERES III 400 V	AMPERES III 700 V	HEAD mwh 8	10	11	12	13	14	16	18	19
						FLOW m³/h								
0111FLOS75	7,5	-	-			120,00	107,00	100,00	90,00	80,00	66,00	43,00	25,00	10,00
0111FLOS100	10,0	-	-			135,00	120,00	110,00	103,00	97,00	83,00	60,00	35,00	20,00
0111FLOS125	12,5	-	-			140,00	123,00		110,00		85,00	65,00	35,00	18,00

PUMP TYPE	DIMENSIONS DNA	DNI	A	K	B	C	D	E	F	G	H	L	M	N	Net Weight (Kg)	Gross Weight (Kg)
0111FLOS55	4"	4"	910	265	415	590	420	573	485	358	210	550	467	115	40,600	42,100
0111FLOS75	4"	4"	910	265	415	590	420	573	485	358	210	550	467	115	48,450	49,950
0111FLOS100	4"	4"	935	265	415	590	440	573	485	358	210	550	467	115	54,600	56,100
0111FLOS125	4"	4"	935	265	415	590	440	573	485	358	210	550	467	115	54,600	56,100

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLOS55	0111FLOS75	0111FLOS100	0111FLOS125
Ø SUCTION PIPE	6"(Ø160 mm)	7"(Ø200 mm)	7"(Ø200 mm)	7"(Ø200 mm)

Note: We recommend using conical reductions at the pump suction point if reducing from the above pipe diameters down to 4" (110 mm).

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Self-priming Pool Pumps

2850 rpm

GEMAS "FLOODER JET" Self-priming, thermoplastic body Jet Pump. Suction and Discharge 4" (Ø110). Connections are with slip union. 2850 rpm - IP 55 Motor. **Pump shaft in stainless steel.**





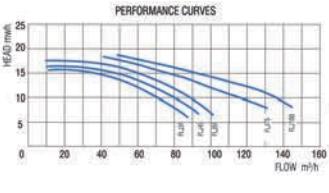
Stainless steel motor shaft

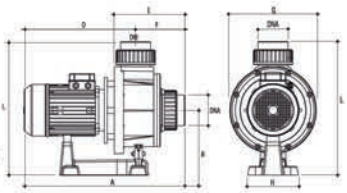
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 HP, Monophase, FLJ 300M	**0111FLJ30M**	**673,00**	1	27,000	0,150
3 HP, Triphase, FLJ 300T	**0111FLJ30**	**664,00**	1	26,000	0,150
3,5 HP, Monophase, FLJ 350M	**0111FLJ35M**	**737,00**	1	27,000	0,150
3,5 HP, Triphase, FLJ 350T	**0111FLJ35**	**696,00**	1	26,000	0,150
4,5 HP, Triphase, FLJ 450T	**0111FLJ45**	**741,00**	1	29,900	0,150
5,5 HP, Triphase, FLJ 550T	**0111FLJ55**	**920,00**	1	37,300	0,150
7,5 HP, Triphase, FLJ 750T	**0111FLJ75**	**1.206,00**	1	45,250	0,150
10 HP, Triphase, FLJ 1000T	**0111FLJ100**	**1.425,00**	1	51,400	0,150
12,5 HP, Triphase, FLJ 1250T	**0111FLJ125**	**1.543,00**	1	51,400	0,150

PS: All models can be produced with Ø125 or Ø110 mm suction connection.



Noryl impeller





PUMP TYPE	HP	CONDEN-SER (µF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 6	8	10	12	14	16	17
						FLOW m³/h						
0111FLJ30	3,0	-	-			65,00	56,50	47,00	25,00			
0111FLJ35	3,5	-	-	10,40	6,00	86,00	78,00	70,00	60,00	45,00	12,00	-
0111FLJ45	4,5	-	-	11,70	6,75	94,00	88,00	78,00	68,00	55,00	24,00	-
0111FLJ55	5,5	-	-	13,80	8,00	102,00	95,00	88,00	78,00	68,00	50,00	28,00

PUMP TYPE	HP	CONDEN-SER (µF)	AMPERES III 230 V	AMPERES III 400 V	AMPERES III 700 V	HEAD mwh 8	10	11	12	13	14	16	18	21
						FLOW m³/h								
0111FLJ75	7,5	-	-	12,10	7,00	121,00	112,00	107,00	101,00	96,00	87,00	65,50	42,50	-
0111FLJ100	10,0	-	-	15,80	9,20	145,00	136,60	130,00	123,00	113,00	101,50	78,50	49,50	-
0111FLJ125				15,80	9,20	150,00	144,00		134,30		120,00	113,00	104,00	

PUMP TYPE	DIMENSIONS DNA	DNI	A	B	D	E	F	G	H	L	Net Weight (Kg)	Gross Weight (Kg)
0111FLJ30	4"	4"	600	268	395	293	205	358	210	550	25,750	27,000
0111FLJ35	4"	4"	600	268	395	293	205	358	210	550	25,750	27,000
0111FLJ45	4"	4"	600	268	395	293	205	358	210	550	28,650	29,900
0111FLJ55	4"	4"	620	268	415	293	205	358	210	550	36,050	37,300
0111FLJ75	4"	4"	620	268	415	293	205	358	210	550	44,000	45,250
0111FLJ100	4"	4"	640	268	435	293	205	358	210	550	50,150	51,400
0111FLJ125	4"	4"	640	268	435	293	205	358	210	550		

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLJ35	0111FLJ45	0111FLJ55	0111FLJ75	0111FLJ100	0111FLJ125
Ø SUCTION PIPE	5"(Ø140 mm)	5"(Ø140 mm)	6"(Ø160 mm)	7"(Ø200 mm)	7"(Ø200 mm)	7"(Ø200 mm)

Note: We recommend using conical reductions at the pump suction point if reducing from the above pipe diameters down to 4" (110 mm).

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1450 rpm



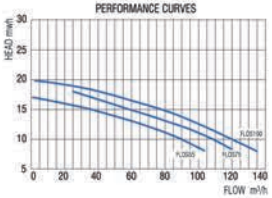
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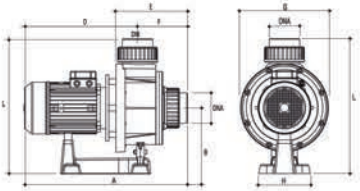
Self-priming Pool Pumps

GEMAS "FLOODER JET" Self-priming, thermoplastic body Jet Pump. Suction and Discharge 4" (Ø110). Connections are with slip union. 1450 rpm - IP 55 Motor.
Pump shaft in stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5,5 HP, Triphase, FLJS 550T	**0111FLJS55**	**1.091,00**	1	37,300	0,150
7,5 HP, Triphase, FLJS 750T	**0111FLJS75**	**1.310,00**	1	45,250	0,150
10 HP,Triphase, FLJS 1000T	**0111FLJS100**	**1.528,00**	1	51,400	0,150
12,5 HP, Triphase, FLJS 1250T	**0111FLJS125**	**1.697,00**	1	51,400	0,150

PS: All models can be produced with Ø125 or Ø110 mm suction connection.







Stainless steel motor shaft



Noryl impeller

PUMP TYPE	HP	CONDENSER (μF)	AMPERES II 220 V	AMPERES III 220 V	AMPERES III 380 V	HEAD mwh 6	8	10	12	14	16	17
						FLOW m³/h						
0111FLJS55	5,5	-	-			-	105,00	90,00	70,00	45,00	15,00	-

PUMP TYPE	HP	CONDENSER (μF)	AMPERES III 230 V	AMPERES III 400 V	AMPERES III 700 V	HEAD mwh 8	10	11	12	13	14	16	18	19
						FLOW m³/h								
0111FLJS75	7,5	-	-			120,00	107,00	100,00	90,00	80,00	66,00	43,00	25,00	10,00
0111FLJS100	10,0	-	-			135,00	120,00	110,00	103,00	97,00	83,00	60,00	35,00	20,00
0111FLJS125	12,5	-	-			140,00	123,00	-	110,00	-	85,00	65,00	35,00	18,00

PUMP TYPE	DIMENSIONS DNA	DNI	A	B	D	E	F	G	H	L	Net Weight (Kg)	Gross Weight (Kg)
0111FLJS55	4"	4"	665	268	460	293	205	358	210	550	36,050	37,300
0111FLJS75	4"	4"	665	268	460	293	205	358	210	550	44,000	45,250
0111FLJS100	4"	4"	705	268	500	293	205	358	210	550	50,150	51,400
0111FLJS125	4"	4"	705	268	500	293	205	358	210	550	50,150	51,400

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLJS55	0111FLJS75	0111FLJS100	0111FLJS125
Ø SUCTION PIPE	6"(Ø160 mm)	7"(Ø200 mm)	7"(Ø200 mm)	7"(Ø200 mm)

Note: We recommend using conical reductions at the pump suction point if reducing from the above pipe diameters down to 4" (110 mm).

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Self-priming Pool Pumps

2850 rpm

GEMAS "MEGAFLOODER" Self-priming, thermoplastic body Commercial Pool Pump;
WITHOUT PREFILTER. Pump shaft in stainless steel.
2850 rpm - IP 55 Motor.





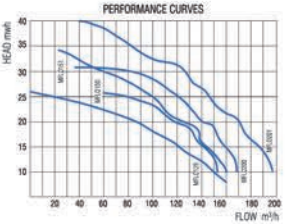
Stainless steel motor shaft

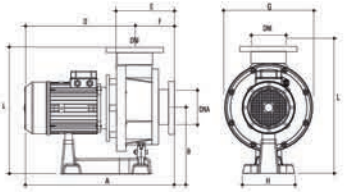
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
12,5 HP, Triphase, MFLO 1250T	**0111MFL125**	**1.725,00**	1	51,400	
15 HP,Type I Triphase, MFLO 1500T	**0111MFL150**	**2.501,00**	1	153,000	
15 HP,Type II Triphase, MFLO 1500T	**0111MFL151**	**2.501,00**	1	153,000	
20 HP, Type I Triphase, MFLO 2000T	**0111MFL200**	**3.004,00**	1	187,000	
20 HP, Type II Triphase, MFLO 2000T	**0111MFL201**	**3.004,00**	1	187,000	
6'' Plastic Pre- Filter, 40 l	**013331**	**1.224,00**	1	25,700	
5''-6'' Polyester Laminated Pre-Filter, 20 l	**013217**	**1.395,00**	1	16,700	
5''-8'' Polyester Laminated Pre-Filter, 65 l	**0132241**	**1.612,00**	1	31,500	

Note: Please refer to the "Pump Pre- Filters (Strainers)" section for pre-filter options and prices.



Special polyester base for heavy weight







013331

PUMP TYPE	HP	CON-DEN-SER (µF)	AMPERES II 220V	AMPERES III 220V	AMPERES III 380V	HEAD mwh 10	12	14	16	18	20	22	24	26	28	31	32	33	34	37	41
						FLOW m³/h															
0111MFLO125	12,5	-	-	-	-	150,00	141,00	127,00	116,50	101,00	87,00	65,00	37,50	-	-	-	-	-	-	-	-
0111MFLO150	15,0	-	-	-	-	152,00	151,00	144,00	136,00	130,00	118,00	108,00	88,00	60,00	-	-	-	-	-	-	-
0111MFLO200	20,0	-	-	-	-	169,00	165,00	161,00	155,00	150,00	140,00	134,00	124,00	114,00	92,00	36,00	-	-	-	-	-
0111MFLO151	15,0	-	-	-	-	160,00	153,00	144,00	138,00	128,00	124,00	110,00	104,00	93,00	74,00	49,00	39,00	31,00	22,50	-	-
0111MFLO201	20,0	-	-	-	-	197,00	185,00	183,00	177,00	167,00	160,00	151,00	143,00	134,00	123,00	100,00	90,00	86,00	78,00	56,00	18,00

PUMP TYPE	DIMENSIONS DNA	DNI	A	B	C	D	E	F	G	H	L	Net Weight (Kg) Mo.	Tri.	Gross Weight (Kg) Mo.	Tri.
0111MFLO125															
0111MFLO150	5"	5"	700	280	-	540	260	160	360	420	252	-	139	-	153
0111MFLO200	5"	5"	700	280	-	640	260	160	360	420	252	-	170	-	187
0111MFLO151	5"	5"	700	280	-	540	260	160	360	420	252	-	139	-	153
0111MFLO201	5"	5"	700	280	-	640	260	160	360	420	252	-	170	-	187



Polyester laminated pre-filter (optional)

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLO125	0111MFLO150	0111MFLO200
Ø SUCTION PIPE	8"(Ø225 mm)	8"(Ø225 mm)	8"(Ø225 mm)

PUMP TYPE	0111MFLO151	0111MFLO201
Ø SUCTION PIPE	8"(Ø225 mm)	8"(Ø225 mm)

1- Locking nut
2- Transparent lid
3- O-ring
4- Pre filter basket
5- Pre filter body
6- Gasket for drain
7- Drain plug
8- Connection screws
9- Body gasket
10- Body o-ring



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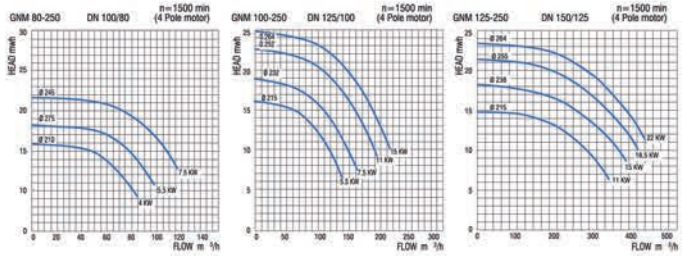


Cast Iron Pool Pumps

GEMAS "PUMPEX CAST IRON POOL PUMPS"
Cast iron body with mechanical seal and triphase motor.
Shaft in chromed steel.1450 rpm.
Body for 10 bar pressure. In conformity with DIN 24255.
Prefilter not included in the price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
GNM 80-250. 70 m^3/h -	**011212P**	**2.641,00**	1		
16 mwh - 7,5 HP (5,5 kw) 4"- 3" Discharge - Ø 225 Fan.					
GNM 100-250. 100 m^3/h -	**011222P**	**3.112,00**	1		
16 mwh - 10 HP (7,5 kw) 5"- 4" Discharge - Ø 232 Fan.					
GNM 100-250. 150 m^3/h -	**011223P**	**3.948,00**	1		
16 mwh - 15 HP (11 kw) 5"- 4" Discharge - Ø 252 Fan.					
GNM 125-250. 230 m^3/h -	**011231P**	**4.651,00**	1		
16 mwh - 20 HP (15 kw) 6"- 5" Discharge - Ø 238 Fan.					

Remark: 1- The pumps listed are produced upon request. Lead Time is approximately 7-15 days. Please ask price for the capacities which are not on the list.
2- Bronze fan and stainless steel shaft pumps are to be considered at %30 higher price.



Pump Bases and Vibration Bricks

Pump Base made in AISI 304 quality stainless steel. Designed for pumps up to 3 HP.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Single	**01411**	**98,00**	1	4,330	0,030
Double	**01412**	**113,00**	1	8,320	0,040



FR Polyester Pump Base. Can be used for all Streamer and Flooder models up to 10 HP. 375 x 250 x 190 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Single	**01413**	**68,00**	1		



Installed to reduce pump vibration.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
M8, Ø30 - 25 mm	**0111STS10**	**2,00**	1		
M10, Ø50 - 35 mm	**0111STS21**	**3,80**	1		



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Pump Pre-Filters (Strainers)



01312

Stainless Steel Pre-Filters

AISI 304 Quality Stainless Steel Pre-filter. Lid with nuts. Connections with Loose Flange.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5"	01312	1027,00	1	15,000	
6"	01313	1998,00	1	17,350	
8"	01314	2961,00	1	19,450	



013311

Plastic Pre-Filters

Fiberglass Reinforced PP Body. 20 l and 40 l capacity. PP basket. Polycarbonate transparent lid.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
4'' - Unions	013311	354,00	1	9,740	
5''- Flanged	013321	411,00	1	10,750	
Stainless Steel Prefilter Basket AISI 304 Quality	0111FL01	256,00	1		
6'' - Flanged - 40 l	013331	1.224,00	1	25,300	



013321

FR Polyester Pre Filter

Fiber glass reinforced polyester body pre filter. Plastic prefilter basket, transparent acrylic lid, sliding flange.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
4"-4,5" Suitable for Flooder Pump	013209	912,00	1		
4"	013210	896,00	1		
6"	013323	1489,00	1		



013331



Fiber glass reinforced polyester pre filter. Sliding flange connection and 20 l capacity. Pipe connections can be produced according to demand. Basket and opening mechanism is made of stainless steel. Transparent acrylic lid. Can be used up to 160 mm connections.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
4"	013211	1374,00	1	16,700	0,140
5"	013212	1395,00	1	16,700	0,140
6"	013213	1425,00	1	16,700	0,140

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Pump Pre-Filters (Strainers)

Fiber glass reinforced polyester pre filter. Sliding flange connection and **65** l capacity. Pipe connections can be produced according to demand. Stainless steel basket. Transparent acrylic lid. Can be used up to 225 mm connections.

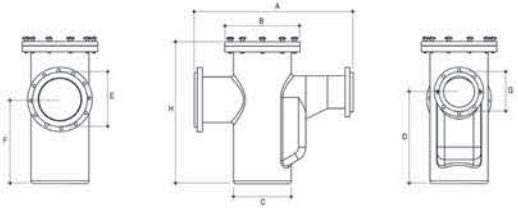


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
4"	**013215**	**1.734,00**	1	31,500	0,340
5"	**013216**	**1.831,00**	1	31,500	0,340
6"	**013223**	**1.842,00**	1	31,500	0,340
8"	**013229**	**1.831,00**	1		

Fiber glass reinforced polyester pre filter. Sliding flange connection. Ø280, Ø315 and Ø355 has **125 l**: Ø400 and Ø450 has **285 l** capacity. AISI 304 quality stainless steel basket. Transparent acrylic lid. Can be used up to 225 mm connections.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
8"- Ø280	**013224**	**1.934,00**	1		
8"- Ø315	**013225**	**2.863,00**	1		
8"- Ø355	**013226**	**3.036,00**	1		
8"- Ø400	**013227**	**3.796,00**	1		
8"- Ø450	**013228**	**3.934,00**	1		



PRE-FILTER TYPE	Code	DIMENSIONS							
		A	B	C	D	E	F	G	H
Ø225 - Ø280	013224								
Ø225 - Ø315	013225	1098	520	400	635	Ø315	582	Ø225	983
Ø225 - Ø355	013226	1098	520	400	635	Ø355	582	Ø225	983
Ø225 - Ø400	013227	1373	680	553	864	Ø400	788	Ø225	1220
Ø225 - Ø450	013228	1373	680	553	864	Ø400	788	Ø225	1220





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"Seljuk" BL
High Rate Sand Filter

Environment friendly

NEW !

PP

2 years Parts WARRANTY

CE

GEMAS "Seljuk" It is produced from high quality PP material with plastic injection technology. Upper and lower parts are combined with a special welding technique. Complete with transparent lid, multiport valve, fittings, pressure gauge and air vent. 2 years warranty.
Test pressure 3,5 kg/cm², Maximum working pressure 2.5 kg/cm², Maximum filtration rate 50 m³/h/m².



021133



Transparent Bolted Lid



Top Mount

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø500 1 ½ Multi-way Valve	021131	326,00	1	12,000	0,215
Ø630 1 ½ Multi-way Valve	021132	380,00	1	13,350	0,325
Ø710 2 Multi-way Valve	021133	462,00	1	18,500	0,440
Ø500 1 ½ Multi-way Valve	021131T	304,00	1	11,514	0,215
Ø630 1 ½ Multi-way Valve	021132T	353,00	1	13,350	0,325
Ø710 2 Multi-way Valve	021133T	425,00	1	18,500	0,440



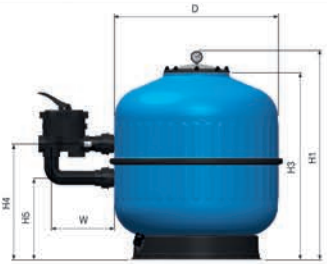
021131T



021131



021132





TECHNICAL CHARACTERISTICS

MODEL	021131	021132	021133	021131T	021132T	021133T
D (mm)	500	630	710	500	630	710
H_1 (mm)	785	870	940	785	870	940
H_2 (mm)	-	-	-	-	-	-
H_3 (mm)	665	750	820	665	750	820
H_4 (mm)	430	475	510	430	475	510
H_5 (mm)	300	345	360	300	345	360
W (mm)	260	260	295	260	260	295
CONNECTIONS Ø (mm)	1 ½"	1 ½"	2"	1 ½"	1 ½"	2"
FLOW (m³/h) (50 m³/h/m²)	10	15,5	20	10	15,5	20
SAND (Kg)	100	150	250	100	150	250
NET WEIGHT (Kg)	12.000	13.350	18.500	12.000	13.350	18.500

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Plastic Injected High Rate Sand Filter!

Seljuk®-BL



Made of High Quality Copolymer PP with plastic injection technology. Upper and lower parts are combined with a special thermowelding technique. Complete with transperent lid, multiport valve, pressure gauge and air purge.
Diameters Ø500 - Ø630 - Ø710 mm.

gemas.com.tr

GEMAS

"Pool Technology"

"Injectrone" High Rate Sand Filters

PP



GEMAS "INJECTRONE" PLASTIC SAND FILTER. Made of Injection plastic (PP). The upper and lower parts are joined with a special welding technique. As the bed depth is higher than other filter models, the filtration quality is considerably higher. Sand water discharge openings are available at both front and rear, installed w/discharge valve.
Easy to open clear screw lid (2 cm wider than bolted lid).
Complete with multiway valve, fittings, and pressure gauge.
Five years body warranty. Test pressure 3,5 kg/cm^2,
maximum operation pressure 2,5 kg/cm^2,
Maximum filtration rate 50 m^3/h/m^2.



Transparent Screw Lid

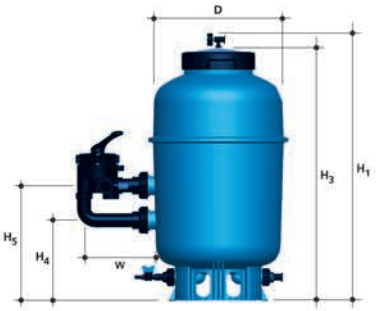


Side Multiport Valve



Water Drainage with Valve

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 500 mm	0211011	349,00	1	17,000	0,180
1½" multiport side valve - 10 m^3/h					
Ø 600 mm	0211012	422,00	1	27,000	0,270
1½" multiport side valve - 15 m^3/h					



TECHNICAL CHARACTERISTICS

MODEL	0211011	0211012
D (mm)	500	600
H_1 (mm)	960	1030
H_2 (mm)	-	-
H_3 (mm)	910	980
H_4 (mm)	290	320
H_5 (mm)	415	445
W (mm)	260	260
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"
FLOW (m^3/h) (50 m^3/h/m^2)	9,81	14,13
SAND (Kg)	125	170
NET WEIGHT (Kg)	8,000	11,000

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Plastic Body Pool Filters

PA



Easy Sand Change !

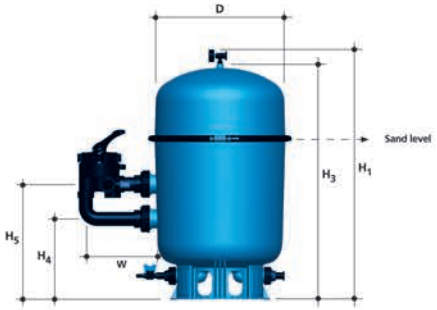
Environment friendly

2 years Parts WARRANTY

"Injectrone CL" High Rate Sand Filters

GEMAS "INJECTRONE CL" PLASTIC SAND FILTER.
It is injected with glass reinforced plastic (PA) in two parts. **Upper and lower parts are integrated with metal clamp.** Since the depth of sand bed is equal to the height of the lower part, the filter sand can be easily serviced by dismantling the clamp. As the bed depth is higher than other filter models, the filtration quality is considerably higher. Sand water discharge openings are available at both front and rear, installed w/discharge valve. Complete with multi-way valve, fittings, and pressure gauge. Two years body warranty. Test pressure 3,5 kg/cm², maximum operation pressure 2,5 kg/cm², Maximum filtration rate 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 1½" multiport side valve - 10 m³/h	0211111	570,00	1	21,000	0,180
Ø 600 mm - 1½" multiport side valve - 15 m³/h	0211112	801,00	1	31,000	0,270





Metal clamp



Side Multiport Valve



Water Drainage with Valve

TECHNICAL CHARACTERISTICS

MODEL	0211111	0211112
D (mm)	500	600
H_1 (mm)	890	960
H_2 (mm)	-	-
H_3 (mm)	840	910
H_4 (mm)	290	320
H_5 (mm)	415	445
W (mm)	260	260
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	9,81	14,13
SAND (Kg)	100	150
NET WEIGHT (Kg)	8,000	11,000

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"Fusion SL" High Rate Sand Filters

Environment friendly

2 years Parts WARRANTY

PP



0211212S

GEMAS "FUSION SL" PLASTIC SAND FILTERS.
Made of Injection Pastic (PP). The upper and lower parts are joined with a special welding technique. Easy to open clear screw lid (2 cm wider than bolted lid). Complete with multiway valve, fittings, and pressure gauge. Two years body warranty. Test pressure 3.5 kg/cm², maximum operation pressure 2,5 kg/cm²,
Maximum filtration rate 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 10 m³/h 1 ½" M. Valve	**0211211S**	**307,00**	1	11,700	0,200
Ø 600 mm - 14 m³/h 1 ½" M. Valve	**0211212S**	**356,00**	1	15,700	0,325
Ø 500 mm - 10 m³/h 1 ½" **top** M.V.	**0211211ST**	**226,00**	1	12,000	0,200
Ø 600 mm - 14 m³/h 1 ½" **top** M.V.	**0211212ST**	**334,00**	1	16,000	0,325



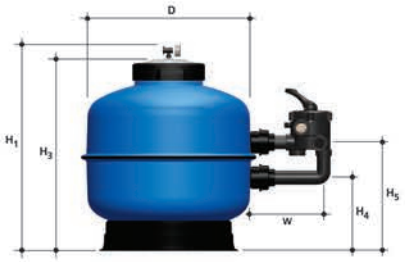
0211211S



0211212ST



0211211ST





TECHNICAL CHARACTERISTICS

MODEL	0211211S	0211212S	0211211ST	0211212ST
D (mm)	500	600	500	600
H_1 (mm)	715	760	630	660
H_2 (mm)	-	-	-	-
H_3 (mm)	660	705	830	860
H_4 (mm)	260	280	-	-
H_5 (mm)	390	410	-	-
W (mm)	260	260	-	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	10	14	10	14
SAND (Kg)	75	100	75	100
NET WEIGHT (Kg)	7,000	14,000	7,000	14,000

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Plastic Body Pool Filters

PE



Environment friendly

2 years Parts WARRANTY

"Filtrone" High Rate Sand Filters

GEMAS "FILTRONE" PLASTIC SAND FILTERS.
Filter shell made of PE Plastic by Rotational Moulding. One-piece body, including pressure gauge, side mounted multiport valve and air purge. Optional Transparent Bolted Lid. Two years body warranty. Test pressure 3,5 kg/cm². Max. operation pressure 2 kg/cm². Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 560 mm - 12 m³/h 1 ½" M. Valve	**021818**	**357,00**	1	16,500	0,215
Ø 615 mm - 15 m³/h 1 ½" M. Valve	**021813**	**398,00**	1	19,500	0,325
Ø 760 mm - 22 m³/h 2" M. Valve	**021814**	**504,00**	1	26,500	0,440
Ø 920 mm - 32 m³/h 2" M. Valve	**021815**	**659,00**	1	37,500	0,790
Ø 560 mm - 12 m³/h 1 ½" **top** M.V.	**021826**	**323,00**	1	14,500	0,215
Ø 615 mm - 15 m³/h 1 ½" **top** M.V.	**021823**	**358,00**	1	19,500	0,325
Ø 760 mm - 22 m³/h 2" **top** M.V.	**021824**	**447,00**	1	24,500	0,440
Ø 920 mm - 32 m³/h 2" **top** M.V.	**021825**	**581,00**	1	35,500	0,790







Transparent Bolted Lid (Optional)







Water Drainage

TECHNICAL CHARACTERISTICS

MODEL	021818	021813	021814	021815	021827	021823	021824	021825
D (mm)	560	615	760	920	560	615	760	920
H_1 (mm)	730	805	925	1085	800	875	995	1155
H_2 (mm)	610	685	825	965	610	685	825	965
H_3 (mm)	670	745	885	1025	-	-	-	-
H_4 (mm)	250	270	315	370	-	-	-	-
H_5 (mm)	420	400	465	520	-	-	-	-
W (mm)	260	260	295	295	-	-	-	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	1 1/2"	1 1/2"	2"	2"
FLOW (m³/h) (50 m³/h/m²)	12	15	22	32	12	15	22	32
SAND (Kg)	100	150	250	450	100	150	250	450
NET WEIGHT (Kg)	16,500	19,500	26,500	37,500	14,500	17,500	24,500	35,500

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"Filtrone L" High Rate Sand Filters

Easy Sand Change !

Environment friendly

PE



GEMAS "FILTRONE L" PE PLASTIC SAND FILTERS.
Filter shell made of PE Plastic by Rotational Moulding. One-piece body, large lid of 40 cm width including pressure gauge, side mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m³.



021815LL



021817LL

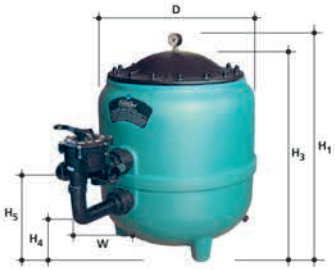
Ø 1000 Plastic Filter



21816LL

Unique in the Market

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 560 mm - Large lid. 1½" multiport side valve - 12 m³/h	021812LL	469,00	1	21,000	0,215
Ø 615 mm - Large lid. 1½" multiport side valve - 15 m³/h	021813LL	552,00	1	23,000	0,325
Ø 760 mm - Large lid. 2" multiport side valve - 22 m³/h	021814LL	661,00	1	30,000	0,440
Ø 920 mm - Large lid. 2" multiport side valve - 32 m³/h	021815LL	838,00	1	48,000	0,790
Ø 1000 mm - Large lid. Without multiport valve 2 ½" - 40 m³/h	021817LL	1.048,00	1	55,000	0,930
Ø 1200 mm - Large lid. Without multiport valve 2 ½" - 64 m³/h	021816LL	1.254,00	1	75,000	1,160



TECHNICAL CHARACTERISTICS

MODEL	021812LL	021813LL	021814LL	021815LL	021817LL	021816LL
D (mm)	560	615	760	920	1000	1200
H_1 (mm)	800	820	960	1110	1260	1280
H_2 (mm)	-	-	-	-	-	-
H_3 (mm)	740	760	900	1050	1200	1230
H_4 (mm)	285	280	310	375	480	475
H_5 (mm)	420	410	460	525	730	685
W (mm)	260	260	295	295	480	480
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2 1/2"	2 1/2"
FLOW (m³/h) (50 m³/h/m²)	10	15	22	32	39	56
SAND (Kg)	100	125	250	450	700	1300
NET WEIGHT (Kg)	21,000	23,000	30,000	48,000	55,000	75,000

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Plastic Body Pool Filters

PE



Easy Sand Change !

Environment friendly

2 years Parts WARRANTY

"Filtrone LLT" High Rate Sand Filters

GEMAS "FILTRONE LLT" PLASTIC SAND FILTERS.
Filter shell made of PE plastic by rotational molding. Wide transparent screw lid (400 mm inner diameter), complete with plastic opening handle, multi-way valve, fittings, and pressure gauge. Two years body warranty. Test pressure 3,5 kg/cm², maximum operation pressure 2,5 kg/cm², Maximum filtration rate 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 615 mm - Large lid. 1½" multiport side valve - 15 m³/h	**021813LLT**	**578,00**	1	25,000	0,325
Ø 760 mm - Large lid. 2" multiport side valve - 22 m³/h	**021814LLT**	**688,00**	1	32,000	0,440
Ø 920 mm - Large lid. 2" multiport side valve - 32 m³/h	**021815LLT**	**885,00**	1	50,000	0,790
Ø 1000 mm - Large lid. Without multiport valve 2 ½" - 40 m³/h	**021817LLT**	**1.106,00**	1	57,000	0,930
Ditto, 2 ½" multiport valve	**021817LTM**	**1.511,00**	1	57,000	0,930
Ø 1200 mm - Large lid. Without multiport valve 2 ½" - 64 m³/h	**021816LLT**	**1.309,00**	1	77,000	1,160
Ditto, 3" multiport valve	**021816LTM**	**2.396,00**	1	77,000	1,160



Easy Open 40 cms wide Transparent Lid



021813LLT



021817LLT



TECHNICAL CHARACTERISTICS

MODEL	021812LLT	021813LLT	021814LLT	021815LLT	021817LLT	021816LLT
D (mm)	560	615	760	920	1000	1200
H_1 (mm)	800	820	960	1110	1260	1280
H_2 (mm)	-	-	-	-	-	-
H_3 (mm)	740	760	900	1050	1200	1230
H_4 (mm)	285	260	350	375	480	455
H_5 (mm)	420	410	500	525	730	745
W (mm)	260	260	295	295	480	480
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2 1/2"	2 1/2"
FLOW (m³/h) (50 m³/h/m²)	10	15	22	32	39	56
SAND (Kg)	100	125	250	450	700	1330
NET WEIGHT (Kg)	23,000	25,000	32,000	50,000	57,000	77,000

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"Premium" High Rate Sand Filters

PE

Environment friendly

2 years Parts WARRANTY



GEMAS "PREMIUM" PE PLASTIC SAND FILTERS.
Filter shell made of PE Plastic by Rotational Moulding.
One-piece body, including pressure gauge, side or top mounted multiport valve and air purge. Two years body warranty.
Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm².
Filtration rate: 50 m³/h/m².



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Top Mounted (clamped) Multiport Valve					
Ø 400 mm - 6,30 m3/h	**021921**	**221,00**	1	9,000	0,140
Ø 500 mm - 10,00 m3/h	**021922**	**248,00**	1	12,000	0,200
Ø 615 mm - 15,00 m3/h	**021923**	**313,00**	1	16,000	0,325
Side Mounted Multiport Valve Including clamped lid & side connections					
Ø 400 mm - 6,30 m3/h	**021911**	**247,00**	1	8,700	0,140
Ø 500 mm - 10,00 m3/h	**021912**	**272,00**	1	11,700	0,200
Ø 615 mm - 15,00 m3/h	**021913**	**335,00**	1	15,700	0,325



Ergonomic Clamped Lid



Side Multiport Valve and Water Drainage





TECHNICAL CHARACTERISTICS

	Top Mounted Multiport Valve			Side Mounted Multiport Valve		
MODEL	021921	021922	021923	021911	021912	021913
D (mm)	400	500	615	400	500	615
H_1 (mm)	695	735	855	615	660	775
H_2 (mm)	525	565	685	-	-	-
H_3 (mm)	-	-	-	555	600	715
H_4 (mm)	-	-	-	200	220	280
H_5 (mm)	-	-	-	330	350	410
W (mm)	-	-	-	260	260	260
W1 (mm)	-	-	-	-	-	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	6,3	10	15	6,3	10	15
SAND (Kg)	80	100	150	80	100	150
NET WEIGHT (Kg)	9,000	12,000	16,000	8,700	11,700	15,700

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Environment friendly

Deep Bed, Single / Multilayer Pool Filters

GEMAS "FILTRONE-HB" PE PLASTIC SAND FILTERS. Filter Shell made of PE plastic by rotational moulding. One-piece body, includes pressure gauge, 1 ½" side mounted multiport valve and air purge. Collector with laterals. Test pressure 3,5 kg/cm². Max. Operation ressure 2,5 kg/m².



40 cms wide opening



Lateral Collector



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 615 mm Large Lid, 15 m³/h Medium deep - 1½" multiport side valve	**021813LH**	**650,00**	1	31,000	0,444
Ø 615 mm - 1½"multiport valve 11 m³/h w/single layer 15 m³/h w/multilayer	**021813HB**	**873,00**	1	35,200	0,584
Ø 615 mm - 1½"multiport valve 11 m³/h w/single layer 15 m³/h w/multilayer	**021813LHB**	**894,00**	1	55,000	0,852

PS: All Filtrone Models are resistant against Ozone.







Side Manhole

TECHNICAL CHARACTERISTICS

MODEL	021813LH	021813HB	021813LHB
D (mm)	615	615	615
H_1 (mm)	1140	1500	1530
H_3 (mm)	1080	1440	1460
H_4 (mm)	410	580	580
H_5 (mm)	280	710	710
W (mm)	260	260	260
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	15	15	15
FLOW (m³/h) (40 m³/h/m²)	12	12	12
ANTHRACITE 0,8 - 1,6 mm (lt)	-	200	200
QUARTZ SAND 0,5 - 1 mm (Kg)	200	200	200
QUARTZ SAND 1 - 3 mm (Kg)	100	150	150
NET WEIGHT (Kg)	31,000	34,250	37,150



Large Lid

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"Turbidron-BL" Bobbin Wound Sand Filters



GEMAS "TURBIDRON BL" SAND FILTERS.
Filter shell made of ABS plastic and reinforced by fiberglass bobbin winding outside. Size Ø830 mm and above filter plastic shell is made of one piece. ROTOMOLDED PE inner shell and Bobibin winding outside. Filter lid is with bolts. Complete with pressure gauge, air purge and side mounted multiport valve. Test pressure 4,0 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m². 10 years shell warranty.



Transparent Bolted Lid (Optional)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 10 m3/h 1 1/2" M. Valve	021712	390,00	1	17,000	0,215
Ø 630 mm - 17 m3/h 1 1/2" M. Valve	021713	438,00	1	20,000	0,325
Ø 710 mm - 21 m3/h 2" M. Valve	021714	542,00	1	32,000	0,440
Ø 830 mm - 27 m3/h 2" M. Valve	021715	688,00	1	38,000	0,660
Ø 900 mm - 32 m3/h 2" M. Valve	021716	771,00	1	47,000	0.790
Ø 1000 mm - 40 m3/h 2 1/2" M. Valve	021717M	1.417,00	1	58,000	0,930
Ø 1000 mm - 40 m3/h 2 1/2" without M.V.	021717	1.082,00	1	58,000	0,930



Ø 500 mm - 10 m3/h 1 1/2" top M.V.	021712T	361,00	1	15,000	0,215
Ø 630 mm - 17 m3/h 1 1/2" top M.V.	021713T	414,00	1	18,000	0,325
Ø 710 mm - 21 m3/h 2" top M.V.	021714T	542,00	1	30,000	0,440
Ø 830 mm - 27 m3/h 2" top M.V.	021715T	618,00	1	36,000	0,660
Ø 900 mm - 32 m3/h 2" top M.V.	021716T	694,00	1	45,000	0.790







TECHNICAL CHARACTERISTICS

MODEL	021712	021713	021714	021715	021716	021717M	021712T	021713T	021714T	021715T	021716T
D (mm)	500	630	710	830	900	1000	500	630	710	830	900
H_1 (mm)	750	830	890	940	1000	1060	820	890	950	1000	1060
H_2 (mm)	630	710	770	820	880	940	630	710	770	820	880
H_3 (mm)	690	770	830	880	940	1000	-	-	-	-	-
H_4 (mm)	300	325	350	350	400	500	-	-	-	-	-
H_5 (mm)	430	455	500	500	550	830	-	-	-	-	-
W (mm)	260	260	295	295	295	-	-	-	-	-	-
CONNECT. Ø (mm)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	1 1/2"	1 1/2"	2"	2"	2"
FLOW (m³/h) (50 m³/h/m²)	10	14	21	27	32	40	10	14	21	27	32
SAND (Kg)	100	150	250	350	450	700	100	150	250	350	450
NET WEIGHT (Kg)	10,200	20,000	32,000	38,000	47,000	58,000	10,000	20,000	30,000	36,000	45,000

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Composite Body Pool Filters



"Turbidron-CL" Bobbin Wound Sand Filters

GEMAS "TURBIDRON CL" SIDE MOUNTED SAND FILTERS.
Clamped Lid. Made of PE plastic core, fiberglass bobbin wound. Complete with pressure gauge, 1 ½" side mounted multiport valve and air purge. Test pressure 4,0 kg/cm². Max. Operation pressure 2,5 kg/m². Filtration rate 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 400 mm -1 ½" side mounted multiport valve - 6,30 m³/h	021311B	360,00	1	7,700	0,145
Ø 500 mm -1 ½" side mounted multiport valve - 10 m³/h	021312B	371,00	1	9,200	0,145







GEMAS "TURBIDRON CL" MOUNTED SAND FILTERS.
Made of PE plastic shell wound by fiberglass bobbin; complete with pressure gauge and multiport valve. Max. operation pressure 2,5 kg/cm². Test pressure 4,0 kg/cm². Filtration rate: 50 m³/h/m².



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 400 mm -1 ½" top mounted multiport valve - 6,30 m³/h	021321B	343,00	1	8,000	0,145
Ø 500 mm -1 ½" top mounted multiport valve - 10 m³/h	021322B	353,00	1	9,500	0,145

TECHNICAL CHARACTERISTICS

	Top Mounted Multiport Valve		Side Mounted Multiport Valve	
MODEL	021321B	021322B	021311B	021312B
D (mm)	400	500	400	500
H_1 (mm)	815	940	670	800
H_2 (mm)	580	705	580	705
H_3 (mm)	-	-	610	740
H_4 (mm)	-	-	240	300
H_5 (mm)	-	-	385	440
W (mm)	-	-	260	260
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	6,30	10	6,30	10
SAND (Kg)	80	100	80	100
NET WEIGHT (Kg)	8,000	10,500	7,700	10,200

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"Turbidron-SL" Bobbin Wound Filters

5 years Parts WARRANTY



GEMAS "TURBIDRON-SL" SIDE MOUNTED POOL SAND FILTERS.
Filter shell made of smooth ABS plastic which decreases algea and bacteria cling. Complete with easy opening threaded, large and transparent lid (diameter is 2 cm larger than bolted lid), Complete with pressure gauge and side mounted multiport valve.
OPTIONAL LIGHTING TOUCHPAD BUTTON WITH BATTERY to observe inside the filter. Maximum Working Pressure 2,5 kg/cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m².



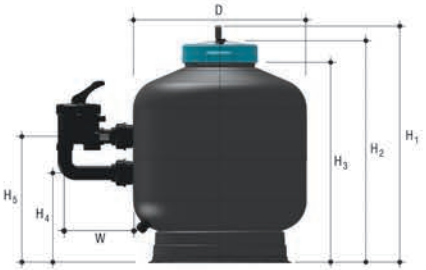
Easy opening lid

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 10 m³/h 1 ½" M.Valve	021712S	394,00	1	17,000	0,215
Ø 630 mm - 17 m³/h 1 ½" M.Valve	021713S	443,00	1	20,000	0,325
Ø 710 mm - 21 m³/h 2" M.Valve	021714S	586,00	1	32,000	0,440
Ø 830 mm - 27 m³/h 2" M.Valve	021715S	708,00	1	38,000	0,660
Ø 900 mm - 32 m³/h 2" M.Valve	021716S	795,00	1	47,000	0.790
Ø 1000 mm - 40 m³/h 2 ½" without M.V.	021717S	1.112,00	1	58,000	0,930
Ø 1000 mm - 40 m³/h 2 ½" M.Valve	021717SM	1.451,00	1	58,000	0,930

PS: Lighting price difference 30 Euro. In case of the order please add "L" to side of the code.



LED lighting transparent lid (Optional)







Side Multiport Valve and Water Drainage

TECHNICAL CHARACTERISTICS

MODEL	021712S	021713S	021714S	021715S	021716S	021717S
D (mm)	500	630	710	830	900	1000
H_1 (mm)	750	860	920	970	990	1305
H_2 (mm)	690	800	860	910	930	1245
H_3 (mm)	610	720	780	860	870	1185
H_4 (mm)	300	325	350	350	400	500
H_5 (mm)	430	455	500	500	550	830
W (mm)	260	260	295	295	295	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"
FLOW (m³/h) (50 m³/h/m²)	10	14	21	27	32	40
SAND (Kg)	100	150	250	350	450	700
NET WEIGHT (Kg)	17,300	20,300	32,000	38,300	47,300	58,300

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Composite Body Pool Filters



Easy Sand Change !

2 years Parts WARRANTY

"Broadex" High Rate Sand Filters

GEMAS "BROADEX" POOL SAND FILTERS. Made of FRP. Wide ransparent screw lid (400 mm inner diameter), complete with plastic opening handle, multi-way valve, fittings, and pressure gauge. Five-year body warranty. Test pressure 3,5 kg/cm², maximum operation pressure 2,5 kg/cm², Maximum filtration rate 50 m³/h/m². **5 years shell warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 560 mm Large Lid - 1 ½" side mounted multiport valve - 12 m³/h	**021112LLT**	**650,00**	1	20,000	0,215
Ø 615 mm Large Lid - 1 ½" side mounted multiport valve - 15 m³/h	**021113LLT**	**695,00**	1	25,000	0,325
Ø 760 mm Large Lid - 2" side mounted multiport valve - 22 m³/h	**021114LLT**	**851,00**	1	32,000	0,440
Ø 830 mm Large Lid - 2" side mounted multiport valve - 27 m³/h	**021115LLT**	**944,00**	1	40,000	0,660
Ø 920 mm Large Lid - 2" side mounted multiport valve - 32 m³/h	**021116LLT**	**1.010,00**	1	50,000	0,790
Ø 1000 mm Large Lid without valve, 2 ½" connection - 40 m³/h	**021117LLT**	**1.383,00**	1	70,000	0,930
Ø 1200 mm Large Lid without valve, 2 ½" connection - 64 m³/h	**021216LLT**	**2.271,00**	1	80,000	1,160



Easy openi 40 cms
Wide Transparent Lid



Side Multiport Valve



TECHNICAL CHARACTERISTICS

MODEL	021112LLT	021113LLT	021114LLT	021115LLT	021116LLT	021117LLT	021216LLT
D (mm)	560	615	760	830	920	1000	1200
H_1 (mm)	800	820	960	1030	1110	1375	1280
H_2 (mm)	-	-	-	-	-	-	-
H_3 (mm)	740	760	900	970	1050	1325	1230
H_4 (mm)	285	260	350	360	375	515	455
H_5 (mm)	420	410	500	510	525	845	745
W (mm)	260	260	295	295	295	480	480
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	2 1/2"
FLOW (m³/h) (50 m³/h/m²)	12,5	15	22	27	32	39	56
SAND (Kg)	100	125	250	350	450	725	1330
NET WEIGHT (Kg)	20,000	25,000	32,000	40,000	50,000	70,000	80,000

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"Filtegra"
High Rate Sand Filters



GEMAS "FILTEGRA" SAND FILTERS. Filter Shell Made of Smooth ABS plastic which decreases algea and bacteria cling inside filter. Outer Shell is **MONOBLOCK GELCOATED FR POLYESTER. UNLIKE THE UNIVERSAL LAMINATED FILTERS 2 PART BODY STRUCTURE, FILTEGRA HAS BEEN DESIGNED TO BE PRODUCED WITH A UNIQUE TECHNIQUE WHICH RESULTS A MONOBLOCK SMOOTH, GELCOATED OUTER BODY.** Complete with pressure gauge and side mounted multiport valve. Maximum Working Pressure 2,5 kg /cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m². **Transparent Bolted Lid (optional). 2 YEARS WARRANTY.**



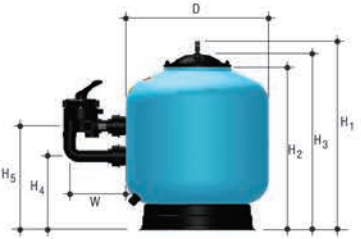

Top Valve


Transparent Bolted Lid (Optional)



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 1 ½" multiport side valve -10 m³/h	021811	517,00	1	19,000	0,215
Ø 630 mm - 1 ½" multiport side valve -15 m³/h	021812	586,00	1	23,000	0,325
Ø 710 mm - 2" multiport side valve - 20 m³/h	021817	676,00	1	35,000	0,440
			1		
Ø 500 mm - 1 ½" multiport top valve -10 m³/h	021821	502,00	1	17,000	0,215
Ø 630 mm - 1 ½" multiport top valve -15 m³/h	021822	570,00	1	21,000	0,325
Ø 710 mm - 2" multiport top valve - 20 m³/h	021827	651,00	1	33,000	0,440


Couplings compatible with d50 Fitvalf ball valve handle





TECHNICAL CHARACTERISTICS

MODEL	021811	021812	021817	021821	021822	021827
D (mm)	500	630	710	500	630	710
H_1 (mm)	750	820	890	820	890	960
H_2 (mm)	630	710	770	630	710	770
H_3 (mm)	690	760	830	-	-	-
H_4 (mm)	300	325	350	-	-	-
H_5 (mm)	430	455	500	-	-	-
W (mm)	260	260	295	260	260	295
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	1 1/2"	1 1/2"	2"
FLOW (m³/h) (50 m³/h/m²)	10	15	20	10	15	20
SAND (Kg)	100	150	250	100	150	250
NET WEIGHT (Kg)	19,000	23,000	35,000	17,000	21,000	33,000


Side Multiport Valve

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Composite Body Pool Filters



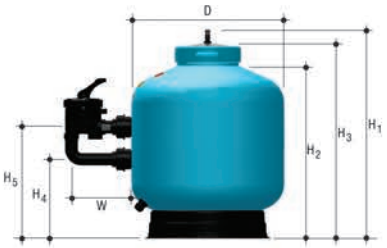
2 years Parts WARRANTY

"Filtegra-SL" High Rate Sand Filters

GEMAS "FILTEGRA-SL" SAND FILTERS. Filter Shell Made of Smooth ABS plastic which decreases algea and bacteria cling inside filter. Outer Shell is **MONOBLOCK GELCOATED FR POLYESTER. UNLIKE THE UNIVERSAL LAMINATED FILTERS 2 PART BODY STRUCTURE, FILTEGRA HAS BEEN DESIGNED TO BE PRODUCED WITH A UNIQUE TECHNIQUE WHICH RESULTS A MONOBLOCK SMOOTH, GELCOATED OUTER BODY.** Complete with easy opening threaded, large and transparent lid (diameter is 2 cms larger than bolted lid), pressure gauge and side mounted multiport valve. **OPTIONAL LIGHTING TOUCHPAD BUTTON WITH BATTERY.** Maximum Working Pressure 2,5 kg/cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m². **2 YEARS SHELL WARRANTY .**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm-1 ½" multiport side valve -10 m³/h	**021811S**	**522,00**	1	19,000	0,215
Ø 630 mm-1 ½" multiport side valve -15 m³/h	**021812S**	**593,00**	1	23,000	0,325
Ø 710 mm-2" multiport side valve - 20 m³/h	**021817S**	**773,00**	1	35,000	0,440

PS: Lighting Price difference 30 Euro. In case of order please add "L" to side of the code.





Easy opening lid



LED lighting transparent lid (Optional)

TECHNICAL CHARACTERISTICS

MODEL	021811S	021812S	021817S
D (mm)	500	630	710
H_1 (mm)	780	860	920
H_2 (mm)	630	710	770
H_3 (mm)	705	785	845
H_4 (mm)	310	330	350
H_5 (mm)	440	460	500
W (mm)	260	260	295
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"
FLOW (m³/h) (50 m³/h/m²)	10	15	20
SAND (Kg)	100	150	250
NET WEIGHT (Kg)	19,000	23,000	35,000



Couplings compatible with d50 Fitvalf ball valve handle



Side Multiport Valve

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"Monocon" Pool Sand Filters

NEW !

GEMAS "MONOCON" POOL SAND FILTER. Filter shell made of fiberglass reinforced polyester, complete with multi-way valve, fittings, manometer and purge. Max. operation Pressure 2,5 kg/cm². Test pressure: 3.5 kg/cm². Two years warranty. All models have side valve connection.
Both connections of the filter are on the bottom shell of the filter.
Filtration Rate: 50 m³/h/m². Transparent Bolted Lid (optional).



2 years Parts WARRANTY

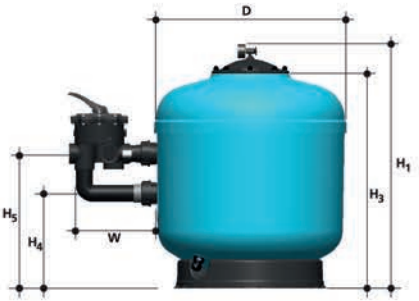


Transparent Bolted Lid (Optional)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 1 ½" M.Valve	021141	385,00	1	17,000	0,215
Ø 630 mm - 1 ½" M.Valve	021142	441,00	1	22,800	0,325
Ø 710 mm - 2" M.Valve	021143	553,00	1	30,000	0,470
Ø 830 mm - 2" M.Valve	021144	694,00	1	38,600	0,665
Ø 900 mm - 2" M.Valve	021145	747,00	1	46,300	0,905
Ø 1000 mm - 2" M.Valve	021146	1.048,00	1	63,200	1,021
Ø 1200 mm - 2" M.Valve	021147	2.230,00	1	78,500	1,460



021145





Side Multiport Valve

TECHNICAL CHARACTERISTICS

MODEL	021141	021142	021143	021144	021145	021146	021147
D (mm)	500	630	710	830	900	1000	1200
H_1 (mm)	760	820	915	975	1020	1410	1400
H_2 (mm)	-	-	-	-	-	-	-
H_3 (mm)	700	760	855	915	960	1350	1290
H_4 (mm)	305	330	355	380	415	525	590
H_5 (mm)	435	460	505	510	565	870	920
W (mm)	260	260	295	295	295	-	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	90
FLOW (m³/h) (50 m³/h/m²)	10	14	21	27	32	40	56
SAND (Kg)	100	150	250	350	450	700	1300
NET WEIGHT (Kg)	17,500	22,800	30,000	38,600	46,300	63,200	78,500

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Composite Body Pool Filters



NEW !

"Monocon" Pool Sand Filters

GEMAS "MONOCON" POOL SAND FILTER. Filter shell made of fiberglass reinforced polyester, complete with multi-way valve, fittings, manometer and purge. Max. operation Pressure 2,5 kg/cm². Test pressure: 3.5 kg/cm². Two years warranty. All models have top valve connection. Filtration Rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 1 ½" M.Valve	**021141T**	**372,00**	1	15,500	0,215
Ø 630 mm - 1 ½" M.Valve	**021142T**	**420,00**	1	20,000	0,325
Ø 710 mm - 2" M.Valve	**021143T**	**531,00**	1		
Ø 830 mm - 2" M.Valve	**021144T**	**671,00**	1		
Ø 900 mm - 2" M.Valve	**021145T**	**719,00**	1		



Top Bolted Lid (Optional)



TECHNICAL CHARACTERISTICS

MODEL	021141T	021142T	021143T	021144T	021145T
D (mm)	500	630	710	830	900
H_1 (mm)	610	685			
H_2 (mm)	-	-			
H_3 (mm)	790	865			
H_4 (mm)	-	-			
H_5 (mm)	-	-			
W (mm)	-	260			
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"			
FLOW (m³/h) (50 m³/h/m²)	10	14			
SAND (Kg)	100	150			
NET WEIGHT (Kg)	15,500	20,000			

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"Filtrex"
High Rate Sand Filters



GEMAS "FILTREX" SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, side mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h /m². Transparent Bolted Lid (optional).



Transparent Bolted Lid (Optional)



Side Multiport Valve



Water Drainage

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 450 mm -1½" multiport side valve-8 m³/h	021111	376,00	1	15,400	0,145
Ø 500 mm -1½" multiport side valve-10 m³/h	021112	385,00	1	17,500	0,215
Ø 630 mm -1½" multiport side valve-14 m³/h	021113	441,00	1	22,800	0,325
Ø 710 mm - 2" multiport side valve-21 m³/h	021114	553,00	1	30,000	0,470
Ø 830 mm - 2" multiport side valve-27 m³/h	021115	694,00	1	38,600	0,665
Ø 900 mm - 2" multiport side valve-32 m³/h	021116	747,00	1	46,300	0,905
Ø 1000 mm, Ø 75 Slip union connection	021117	1.048,00	1	63,200	1,021
Except multiport valve - 40 m³/h					
Ditto, Large Lid, - 40 m³/h	021117L	1.110,00	1	63,200	1,021
Ditto, Ø 75 Flange connection	021117LF	1.085,00	1	63,200	1,021
Ø 450 mm -1½" multiport top valve-8 m³/h	021111T	361,00	1	13,500	0,145
Ø 500 mm -1½" multiport top valve-10 m³/h	021112T	372,00	1	15,500	0,215
Ø 630 mm -1½" multiport top valve-14 m³/h	021113T	420,00	1	20,000	0,325
Ø 710 mm -2" multiport top valve-21 m³/h	021114T	531,00	1		
Ø 830 mm -2" multiport top valve-27 m³/h	021115T	671,00	1		
Ø 900 mm -2" multiport top valve-32 m³/h	021116T	719,00	1		





TECHNICAL CHARACTERISTICS

MODEL	021111	021112	021113	021114	021115	021116	021117	021111T	021112T	021113T
D (mm)	450	500	630	710	830	900	1000	450	500	630
H_1 (mm)	735	760	820	915	975	1020	1410	585	610	685
H_2 (mm)	-	-	-	-	-	-	-	-	-	-
H_3 (mm)	675	700	760	855	915	960	1350	765	790	865
H_4 (mm)	270	305	330	355	380	415	525	-	-	-
H_5 (mm)	400	435	460	505	510	565	870	-	-	-
W (mm)	260	260	260	295	295	295	-	-	-	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m³/h) (50 m³/h/m²)	8	10	14	21	27	32	40	8	10	14
SAND (Kg)	80	100	150	250	350	450	700	80	100	150
NET WEIGHT (Kg)	15,400	17,500	22,800	30,000	38,600	46,300	63,200	13,500	15,500	20,000

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Composite Body Pool Filters



"Neptune" High Rate Sand Filters

GEMAS "NEPTUNE" SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, side or top-mounted multiport valve and air purge. **Screwed lid with handle facilitates easy access,** Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Bed depth: 0,80 m. Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 450 mm - 1½" multiport side valve - 8 m³/h	021211	430,00	1	14,400	0,145
Ø 500 mm - 1½" multiport side valve - 10 m³/h	021212	451,00	1	15,550	0,215
Ø 650 mm - 1½" multiport side valve - 16 m³/h	021213	503,00	1	22,500	0,325
Ø 800 mm - 2" multiport side valve - 24 m³/h	021214	750,00	1	37,600	0,665
Ø 950 mm - 2" multiport side valve - 34 m³/h	021215	897,00	1	50,500	0,905



Screwed lid



Side Multiport Valve



TECHNICAL CHARACTERISTICS

MODEL	021211	021212	021213	021214	021215
D (mm)	450	500	650	800	950
H_1 (mm)	710	750	845	1005	1110
H_2 (mm)	-	-	-	-	-
H_3 (mm)	650	690	785	945	1050
H_4 (mm)	260	290	340	355	440
H_5 (mm)	390	420	470	505	590
W (mm)	260	260	295	295	295
W1 (mm)	-	-	-	-	-
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	2"	2"
FLOW (m³/h) (50 m³/h/m²)	8	10	16	24	34
SAND (Kg)	80	100	150	250	450
NET WEIGHT (Kg)	14,400	15,550	22,500	37,600	50,500



Water Drainage

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High Bed, Single or Multi-Layer Sand Filters

GEMAS FILTREX - HB SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge and multiport valve. Collector with laterals. Bed depth 100 cm. Test pressure 3.5 kg/cm². Max. operation pressure 2,5 kg/cm². **Please ask price for 4,0 and 6,0 kg/cm² operation pressures. Sight Glass and Transparent Bolted Lid is optional.**

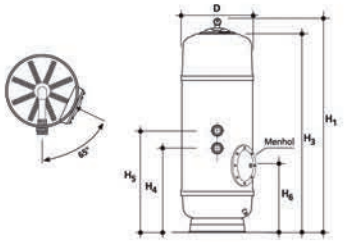


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 500 mm - 1½" multiport valve - 7 m3/h **w/single layer**	**021311HB**	**1.050,00**	1	30,000	0,403
10 m³/h **w/multilayer**					
Ø 630 mm - 1½" multiport valve - 11 m³/h **w/single layer**	**021312HB**	**1.168,00**	1	35,200	0,584
15 m³/h **w/multilayer**					
Ø 710 mm - 2" multiport valve - 14 m³/h **w/single layer**	**021313HB**	**1.380,00**	1	55,000	0,852
20 m³/h **w/multilayer**					
Ø 800 mm - 2" multiport valve - 18 m³/h **w/single layer**	**021314HB**	**1.841,00**	1	71,000	1,230
25 m³/h **w/multilayer**					
Ø 900 mm - 2" multiport valve - 22 m³/h **w/single layer**	**021315HB**	**1.916,00**	1	78,500	1,420
32 m³/h **w/multilayer**					
Ø 1000 mm - w/out multiport valve - 32 m³/h **w/single layer**	**021316HB**	**2.677,00**	1		
39 m³/h **w/multilayer**					

PS: Ozone resistant filters are quoted upon request.



Transparent Bolted Lid (Optional)







TECHNICAL CHARACTERISTICS

MODEL	021311HB	021312HB	021313HB	021314HB	021315HB
D (mm)	500	630	720	800	900
H_1 (mm)	1610	1510	1690	1780	1765
H_2 (mm)	-	-	-	-	-
H_3 (mm)	1490	1410	1530	1600	1650
H_4 (mm)	605	590	690	605	700
H_5 (mm)	735	720	840	755	850
H_6 (mm)	580	630	650	330	715
CONNECTIONS (Ø)	1 1/2"	1 1/2"	2"	2"	2"
FLOW (m^3/h) (40 $m^3/h/m^2$)	8	12	16	20	25
ANTHRACITE 0,8 - 1,6 mm (lt)	150,000	200,000	250,000	320,000	470,000
QUARTZ SAND 0,5 - 1 mm (Kg)	150,000	200,000	250,000	320,000	470,000
QUARTZ SAND 1 - 3 mm (Kg)	100,000	150,000	215,000	270,000	420,000
NET WEIGHT (Kg)	30,000	35,200	55,000	71,000	78,500

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Composite Body Pool Filters



"Filtrex" Filtration Units

GEMAS "FILTREX" FILTRATION UNIT.
Fiberglass reinforced polyester filter assembled on a plastic base and installed with a pool pump.
1 ½" multiport valve **Top Mounted.** Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 450 mm with Fiberglass Reinforced Polyester Filter, Pump 1/2 HP, Mono	**021111TFU**	**838,00**	1	34,050	0,440
Ø 500 mm with Fiberglass Reinforced Polyester Filter, Pump 3/4 HP, Mono	**021112TFU**	**874,00**	1	36,950	0,460
Ø 630 mm with Fiberglass Reinforced Polyester Filter, Pump 1,0 HP, Mono	**021113TFU**	**929,00**	1	39,850	0,808



Top Bolted Lid (Optional)

GEMAS "NEPTUNE" FILTRATION UNIT. Fiberglass reinforced polyester filter assembled on a plastic base and installed with a pool pump. 1 1/2" multiport valve **Side Mounted.** Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 450 mm with Fiberglass Reinforced Polyester Filter, Pump 1/2 HP, Mono	**021211FU**	**860,00**	1	33,850	0,440
Ø 500 mm with Fiberglass Reinforced Polyester Filter, Pump 3/4 HP, Mono	**021212FU**	**899,00**	1	36,650	0,460
Ø 650 mm with Fiberglass Reinforced Polyester Filter, Pump 1,0 HP, Mono	**021213FU**	**965,00**	1	39,550	0,808









021212FU

TECHNICAL CHARACTERISTICS

	Filtrex Top Mounted Multiport Valve			*Neptune Side Mounted Multiport Valve*		
MODEL	*021111TFU*	*021112TFU*	*021113TFU*	*021211FU*	*021112TFU*	*021113TFU*
D (mm)	*450*	*500*	*630*	*685*	*880*	*955*
H_1 (mm)	*585*	*610*	*685*	*770*	*800*	*890*
H_2 (mm)	*765*	*790*	*865*	*615*	*655*	*735*
H_3 (mm)	-	-	-	*710*	*740*	*830*
H_4 (mm)	-	-	-	-	-	-
H_5 (mm)	-	-	-	-	-	-
W (mm)	-	-	-	-	-	-
W1 (mm)	*675*	*775*	*925*	*675*	*775*	*925*
CONNECTIONS Ø (mm)	*1 1/2"*	*1 1/2"*	*1 1/2"*	*1 1/2"*	*1 1/2"*	*1 1/2"*
FLOW (m^3/h) (50 m^3/h/m^2)	*8*	*10*	*14*	*8*	*10*	*16*
SAND (Kg)	*80*	*100*	*150*	*80*	*100*	*150*
NET WEIGHT (Kg)	*16,000*	*18,000*	*23,000*	*33,850*	*36,650*	*39,550*

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"Premium" Filtration Units

Environment friendly



GEMAS "PREMIUM" FILTRATION UNIT. Sand filter made of plastic with rotational technique, with a **top-mounted six-way valve,** which is prepared to be combined with a thermoplastic pool pump on a stand. Interconnection piping between the pump and the filter are both included.

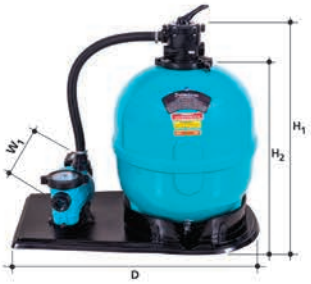


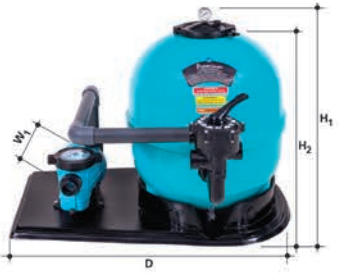
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 400 mm with Plastic Sand Filter, Pump 1/3 HP, Mono - Micro	021921FU	711,00	1	25,000	0,150
Ø 500 mm with Plastic Sand Filter, Pump ½ HP, Mono - Micro	021922FU	742,00	1	30,000	0,190
Ø 615 mm with Plastic Sand Filter, Pump ¾ HP, Mono - Mini	021923FU	854,00	1	38,000	0,190



GEMAS "PREMIUM" FILTRATION UNIT. Sand filter made of plastic with rotational technique, with a **side-mounted six-way valve,** which is prepared to be combined with a thermoplastic pool pump on a stand. Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 400 mm with Plastic Sand Filter, Pump 1/3 HP, Mono - Micro	021911FU	728,00	1	24,000	0,150
Ø 500 mm with Plastic Sand Filter, Pump ½ HP, Mono - Micro	021912FU	771,00	1	29,000	0,190
Ø 615 mm with Plastic Sand Filter, Pump ¾ HP, Mono - Mini	021913FU	881,00	1	36,000	0,190





TECHNICAL CHARACTERISTICS

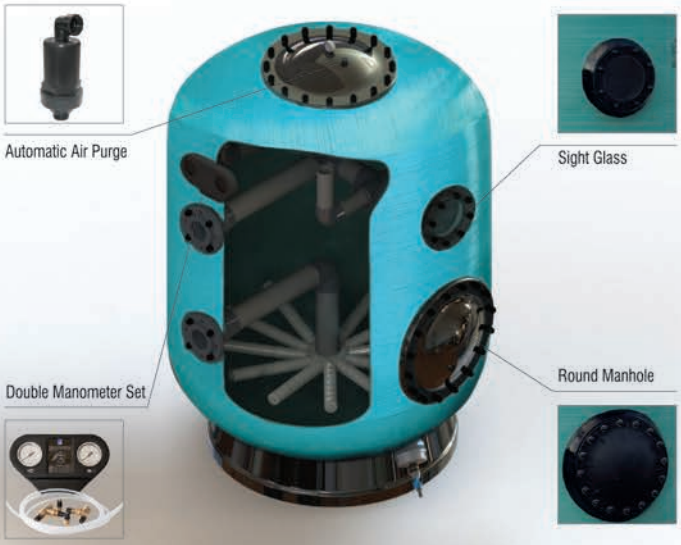
	Premium Top Mounted Multiport Valve			Premium Side Mounted Multiport Valve		
MODEL	021921FU	021922FU	021923FU	021911FU	021912FU	021913FU
D (mm)	1120	1120	1120	1120	1120	1120
H_1 (mm)	290	330	344	280	320	334
H_2 (mm)	220	260	274	220	260	274
W1 (mm)	444	444	500	444	444	500
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m^3/h) (58 $m^3/h/m^2$)	8	10	15	8	10	15
SAND (Kg)	75	100	150	75	100	150
NET WEIGHT (Kg)	25,000	30,000	38,000	24,000	29,000	36,000

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Composite Body Pool Filters

"Turbidron" Bobbin Wound Filters

ADDITIONAL OPTIONS FOR GEMAS "TURBIDRON" BOBBIN WOUND SAND FILTERS



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Round Manhole (2,5 bar) Ø 400 mm	0217172	1.462,00	1		
Ditto, Transparent Lid	0217172T	1.578,00	1		
Round Manhole (4 bar) Ø 400 mm	0217182	1.812,00	1		
Transparent Lid Difference	0217119	104,00			
Sight Glass Ø 90 mm	0217192	513,00	1		
Sight Glass Ø 125 mm	0217202	561,00	1		
Sight Glass Ø 200 mm	0217212	688,00	1		
Automatic Air Purge 1"	0217222	41,00	1		
Automatic Air Purge 2"	0217232	117,00	1		
Double Manometer Set	0217242	297,00	1		
Double Manometer Set W/Sampling V.	0217252	409,00	1		
Ozone Protection (Vinlyester coating)		+ %20			
Sand Bed Depth = 1,5 m difference (from 1,2 m)		+ %20			

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"Turbidron" Bobbin Wound Filters



GEMAS "TURBIDRON" SAND FILTERS. Up to size Ø 1800, filter shell made of single piece Roto MOLDED PE. Larger sizes shell made of FR Polyester shell reinforced by fiberglass bobbin winding outside. Complete with pressure gauge, air release valve of ½".
Test pressure 4,0 kg/cm².
Max. operation pressure 2,5 kg/cm².
Filtration rate: 40 m³/h/m².
Filtration bed depth:1,0 m (Excluding 021717E). Please ask price for 4,0 and 6,0 kg/cm² operation pressures. 2 years warranty.



021725



021721

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 1200 mm - 56 m³/h, 75 mm rakorlu	**021717E**	**1.975,00**	1	95,000	
Ø 1200 mm - 56 m³/h	**021725**	**2.392,00**	1	110 ,000	
Ø 1400 mm - 77 m³/h	**021718**	**2.756,00**	1	180,000	
Ø 1600 mm - 100 m³/h	**021719**	**3.325,00**	1	240,000	
Ø 1800 mm - 127 m³/h	**021720**	**5.525,00**	1	275,000	
Ø 2000 mm - 157 m³/h	**021721**	**7.093,00**	1	300,000	
Ø 2200 mm - 190 m³/h	**021722**	**10.569,00**	1	425,000	
Ø 2350 mm - 217 m³/h	**021727**	**11.571,00**	1		
Ø 2400 mm - 226 m³/h	**021723**	**11.571,00**	1	535,000	
Ø 2500 mm - 245 m³/h	**021724**	**13.177,00**	1		
Ø 3000 mm - 245 m³/h	**021726**	**20.882,00**	1		

PS: Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	021717E	021725	021718	021719	021720	021721	021722	021727	021723	021724	021726
D (mm)	1200	1200	1400	1600	1800	2000	2200	2350	2400	2500	3000
H_1 (mm)	1410	1560	1560	1860	2050	2160	2300	2500	2660	2770	2770
H_2 (mm)	-	-	-	-	-	-	-	-	-	-	-
H_3 (mm)	1350	1500	1500	1800	1990	2100	2240	2440	2600	2710	2710
H_4 (mm)	520	520	600	640	700	770	900	900	900		
H_5 (mm)	880	880	950	1200	1300	1400	1530	1700	1700		
CONNECTIONS Ø (mm)	75	90	110	125	140	160	200	200	200	200	200
FLOW (m³/h) (50 m³/h/m²)	56	56	77	100	127	157	190	217	226	245	245
SAND (Kg)	1300	1500	1950	2750	3650	4750	5700	6150	6400	7000	7000
NET WEIGHT (Kg)	95,000	110,000	180,000	240,000	275,000	300,000	425,000	500,000	535,000		

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Turbidron Commercial Sand Filters Design Options

	DESCRIPTION	Bed Depth 1.0 m Lateral Distribution	Bed Depth 1.20 m	Nozzle plate distribution system	Circular Manhole 2,5 Bar Ø400 mm	Circular Manhole 2,5 Bar Ø500 mm	Circular Manhole 2,5 Bar Ø600 mm	Sight Glass 2,5 Bar Ø90 mm	Sight Glass 2,5 Bar Ø125 mm	Sight Glass 2,5 Bar Ø200 mm	Sight Glass 2,5 Bar Ø250 mm	Automatic Air Purge 1"	Automatic Air Purge 2"	Double Manometer Set	Ozon Protection
X	Operation Pressure Max. 2,5 kg/cm² Test Pressure 4 kg/cm² Filtration Speed 40 m³/H/m²	A	B	C	D	N	E	F	G	H	I	J	K	L	M
1	Filter Ø 1200 mm - 45 m³/h	2.136,00 €	640,00 €	1.165,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	513,00 €
2	Filter Ø 1400 mm - 62 m³/h	2.600,00 €	779,00 €	1.514,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	520,00 €
3	Filter Ø 1600 mm - 80 m³/h	3.325,00 €	996,00 €	1.635,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	665,00 €
4	Filter Ø 1800 mm - 100 m³/h	4.682,00 €	1.404,00 €	2.343,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	936,00 €
5	Filter Ø 2000 mm - 125 m³/h	6.062,00 €	1.818,00 €	3.585,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	1.212,00 €
6	Filter Ø 2200 mm - 152 m³/h	8.130,00 €	2.439,00 €	4.438,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	1.626,00 €
7	Filter Ø 2350 mm - 173 m³/h	10.331,00 €	2.504,00 €	5.390,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	2.065,00 €
8	Filter Ø 2500 mm - 196 m³/h	11.765,00 €	2.855,00 €	5.840,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	2.352,00 €
9	Filter Ø 3000 mm - 283 m³/h	20.882,00 €	4.854,00 €	8.846,00 €	1.326,00 €	1.363,00 €	1.440,00 €	465,00 €	509,00 €	624,00 €	750,00 €	43,00 €	122,00 €	269,00	4.176,00 €

	DESCRIPTION	Bed Depth 1.0 m Lateral Distribution	Bed Depth 1.20 m	Nozzle plate distribution system	Circular Manhole 4 Bar Ø400 mm	Circular Manhole 4 Bar Ø500 mm	Circular Manhole 4 Bar Ø600 mm	Sight Glass 4 Bar Ø90 mm	Sight Glass 4 Bar Ø125 mm	Sight Glass 4 Bar Ø200 mm	Sight Glass 4 Bar Ø250 mm	Automatic Air Purge 1"	Automatic Air Purge 2"	Double Manometer Set	Ozon Protection
Y	Operation Pressure Max. 4 kg/cm² Test Pressure 6 kg/cm² Filtration Speed 40 m³/H/m²	A	B	C	D	N	E	F	G	H	I	J	K	L	M
1	Filter Ø 1200 mm - 45 m³/h	2.565,00 ğ	768,00 €	1.398,00 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	540,00 €
2	Filter Ø 1400 mm - 62 m³/h	3.120,00 €	934,00 €	1.815,60 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	657,00 €
3	Filter Ø 1600 mm - 80 m³/h	3.990,00 €	1.195,00 €	1.962,00 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	840,00 €
4	Filter Ø 1800 mm - 100 m³/h	5.620,00 €	1.684,00 €	2.811,60 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	1.182,00 €
5	Filter Ø 2000 mm - 125 m³/h	7.275,00 €	2.182,00 €	4.303,20 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	1.530,00 €
6	Filter Ø 2200 mm - 152 m³/h	9.756,00 €	2.927,00 €	5.325,60 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	2.052,00 €
7	Filter Ø 2350 mm - 173 m³/h	12.396,00 €	3.004,00 €	6.468,00 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	2.492,00 €
8	Filter Ø 2500 mm - 196 m³/h	14.117,00 €	3.426,00 €	7.008,00 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	2.700,00 €
9	Filter Ø 3000 mm - 283 m³/h	25.058,00 €	5.825,00 €	10.615,20 €	1.644,00 €	1.758,00 €	1.920,00 €	594,00 €	642,00 €	774,00 €	930,00 €	43,00 €	122,00 €	269,00	4.956,00 €

NOTE: Please generate the product code number as per filter option configuration. (i.e X1B for d1200 Sand filter, 2,5 bar working pressure , 1,20 Sand Depth)

"Turbidron - Norm Plus" Deep - Bed Sand Filter



GEMAS "TURBIDRON-NORM PLUS" SAND FILTERS (According to DIN 19605 and 19643).
Filter shell made of fiberglass reinforced laminated polyester by fiberglass bobbin winding outside. Including pressure gauge, air purge and multiport valve. Collector plate with nozzles. Sight glass and side manhole at side.
Bed depth:1,20 m. Test pressure 3,5 kg/cm².
Max. operation pressure 2,5 kg/cm².
Filtration Rate: Single Layer (Quartz Sand) : 30 m³/h/m².
Multilayer (Quartz Sand + Anthracite and/or zeolite) : 40 m³/h/m².



Large TOP Lid



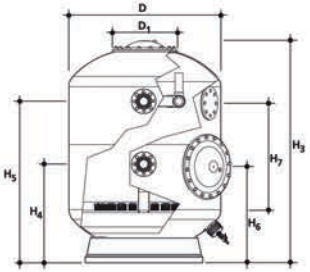
FR Polyester connection



Side manhole

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 900 mm - 19 m³/h - 25 m³/h	021512	2.848,00	1	1000,000	
Ø 1000 mm - 24 m³/h - 32 m³/h	021513	4.558,00	1	1300,000	
Ø 1200 mm - 37 m³/h - 49 m³/h	021514	7.722,00	1	1800,000	
Ø 1400 mm - 46 m³/h - 61,5 m³/h	021515	9.630,00	1	2350,000	
Ø 1600 mm - 63 m³/h - 84 m³/h	021516	10.711,00	1	3300,000	
Ø 1800 mm - 76 m³/h - 101 m³/h	021517	12.643,00	1	4400,000	
Ø 2000 mm- 94 m³/h - 125 m³/h	021518	15.620,00	1	5700,000	
Ø 2200 mm - 114 m³/h - 152 m³/h	021519	19.041,00	1	6850,000	
Ø 2350 mm - 130 m³/h - 173 m³/h	021523	22.982,00	1		
Ø 2400 mm - 136 m³/h - 181 m³/h	021520	23.443,00	1	7700,000	
Ø 2500 mm - 147 m³/h - 196 m³/h	021521	29.118,00	1	8300,000	
Ø 3000 mm - 212 m³/h - 283 m³/h	021522	39.072,00	1		

PS: Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	021512	021513	021514	021515	021516	021517	021518	021519	021520	021521
D (mm)	900	1000	1200	1400	1600	1800	2000	2200	2400	2500
D_1 (mm)	-	-	-	-	-	-	-	-	-	-
H_3 (mm)	2030	2060	2600	2380	2430	2450	2500	2573	2623	2750
H_4 (mm)		750	750	850	850	950	950	900	900	900
H_5 (mm)		1550	1550	1450	1450	1600	1750	1700	1700	1700
H_6 (mm)		900	900	1000	950	950	1100	900	920	920
H_7 (mm)		1200	1130	1200	1200	1200	1200	1200	1200	1200
CONNECTIONS Ø (mm)	63	75	75	90	90	110	125	140	140	160
FLOW (m³/h) (50 m³/h/m²)	19	24	37	46	63	76	94	114	136	147
SAND (Kg)	1000	1300	1800	2350	3300	4400	5700	6850	7700	8300

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Composite Body Pool Filters



"Turbidron" Bobbin Wound Horizontal Filters

Filter shell made of fiberglass reinforced laminated polyester by fiberglass bobbin winding outside. Complete with pressure gauge, 1 ½" air valve and 400 mm side manhole.
Test pressure 4 kg/cm². Max. operation pressure 2,5 kg/cm².
Filtration rate Max. 30 m³/h/m².
Pls. ask price for 4 Bar working pressure.
Pls. ask price for "Dual Stack" version.

Description	Code	List Price Euro	Pieces/ box
Filtration Bed Depth 0,6 m.			
Ø 1000 mm - L=1500 mm. 34 m³/h	02197161	4.456,00	1
Ø 1000 mm - L=2000 mm. 51 m³/h	02197162	5.476,00	1
Ø 1200 mm - L=2000 mm. 63 m³/h	02197171	6.806,00	1
Ø 1200 mm - L=2500 mm. 80 m³/h	02197172	8.968,00	1
Filtration Bed Depth 0,8 m.			
Ø 1400 mm - L=2000 mm. 70 m³/h	02197181	8.286,00	1
Ø 1400 mm - L=2500 mm. 88 m³/h	02197182	11.048,00	1
Ø 1400 mm - L=3000 mm. 110 m³/h	02197183	12.714,00	1
Ø 1600 mm - L=2000 mm. 87 m³/h	02197191	9.631,00	1
Ø 1600 mm - L=2500 mm. 105 m³/h	02197192	12.390,00	1
Ø 1600 mm - L=3000 mm. 137 m³/h	02197193	13.887,00	1
Ø 1600 mm - L=4000 mm. 163 m³/h	02197194	15.281,00	1
Ø 1600 mm - L=4500 mm. 190 m³/h	02197195	17.190,00	1
Filtration Bed Depth 1,0 m.			
Ø 1800 mm - L=2500 mm. 114 m³/h	02197201	12.901,00	1
Ø 1800 mm - L=3000 mm. 140 m³/h	02197202	15.162,00	1
Ø 1800 mm - L=3500 mm. 166 m³/h	02197203	17.291,00	1
Ø 1800 mm - L=4000 mm. 191 m³/h	02197204	18.991,00	1
Ø 2000 mm - L=2500 mm. 123 m³/h	02197211	14.315,00	1
Ø 2000 mm - L=3000 mm 152 m³/h	02197212	15.162,00	1
Ø 2000 mm - L=3500 mm. 180 m³/h	02197213	18.453,00	1
Ø 2000 mm - L=4000 mm. 209 m³/h	02197214	19.977,00	1
Ø 2000 mm - L=4500 mm. 236 m³/h	02197215	22.885,00	1
Ø 2000 mm - L=5000 mm. 265 m³/h	02197216	25.757,00	1
Ø 2200 mm - L=2500 mm. 137 m³/h	02197221	18.167,00	1
Ø 2200 mm - L=3000 mm. 165 m³/h	02197222	20.520,00	1
Ø 2200 mm - L=3500 mm. 197 m³/h	02197223	22.874,00	1
Ø 2200 mm - L=4000 mm. 229 m³/h	02197224	25.553,00	1
Ø 2200 mm - L=4500 mm. 258 m³/h	02197225	28.234,00	1
Ø 2200 mm - L=5000 mm. 287m³/h	02197226	28.909,00	1
Filtration Bed Depth 1,2 m.			
Ø 2400 mm - L=3000 mm. 179 m³/h	02197231	24.646,00	1
Ø 2400 mm - L=3500 mm. 214 m³/h	02197232	27.291,00	1
Ø 2400 mm - L=4000 mm. 248 m³/h	02197233	31.128,00	1
Ø 2400 mm - L=5000 mm. 306 m³/h	02197234	34.967,00	1
Ø 2500 mm - L=4000 mm. 267 m³/h	02197241	33.155,00	1
Ø 2500 mm - L=5000 mm. 341 m³/h	02197242	45.676,00	1





Dual Stack Horizontal Filter

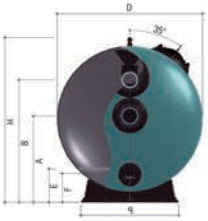


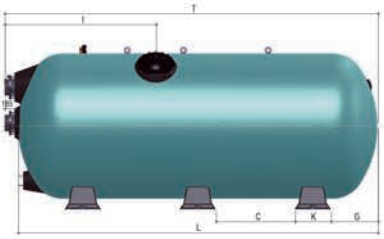
Two-Layer Detail

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"Turbidron" Bobbin Wound Horizontal Filters







CE

TECHNICAL CHARACTERISTICS

MODEL	D (mm)	L (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	K (mm)	P (mm)	T (mm)	Connec. (Ø) (mm)	Flow (m^3/h) (50 $m^3/h/m^2$)	Sand (Kg)	Net Weight (Kg)
02197161	1000	1500	600	850	400	300	250	300	1200	750	250	680	1600	90	60	1260	138
02197162	1000	2500	600	850	400	300	250	500	1200	1250	500	680	2600	125	100	2100	208
02197171	1200	2000	720	1020	300	330	250	350	1350	1000	500	820	2100	125	96	2016	216
02197172	1200	2500	720	1020	500	330	250	500	1350	1250	500	820	2600	140	120	2520	258
02197181	1400	2000	840	1270	300	360	350	350	1700	1000	500	950	2110	125	112	3136	262
02197182	1400	2500	840	1270	500	360	350	500	1700	1250	500	950	2610	140	140	3920	310
02197183	1400	3000	840	1270	800	360	350	600	1700	1500	500	950	3110	160	168	4704	359
02197191	1600	2000	960	1360	300	390	250	350	1870	1000	500	1090	2130	140	128	3584	310
02197192	1600	2500	960	1360	500	390	250	500	1870	1250	500	1090	2630	160	160	4480	366
02197193	1600	3000	960	1360	800	390	250	600	1870	1500	500	1090	3130	160	192	5376	421
02197194	1600	4000	960	1360	800	390	250	600	1870	1500	500	1090	4130	160	210	5940	561
02197195	1600	4500	960	1360	800	390	250	600	1870	1500	500	1090	4630	200	238	6730	631
02197201	1800	3500	1080	1530	500	420	300	500	2080	1250	500	1225	2670	160	180	6300	472
02197202	1800	4000	1080	1530	800	420	300	600	2080	1500	500	1225	3170	160	216	7560	541
02197203	1800	2500	1080	1530	500	420	300	500	2080	1750	500	1225	3670	200	252	8820	611
02197204	1800	3000	1080	1530	500	420	300	500	2080	2000	500	1225	4170	200	288	10080	680
02197211	2000	3500	1200	1700	500	450	400	500	2300	1250	500	1360	2690	160	200	7000	540
02197212	2000	4000	1200	1700	800	450	400	600	2300	1500	500	1360	3190	160	240	8400	617
02197213	2000	4500	1200	1700	500	450	400	500	2300	1750	500	1360	3690	200	280	9800	694
02197214	2000	5000	1200	1700	650	450	400	600	2300	2000	500	1360	4190	200	320	11200	771
02197215	2000	2500	1200	1700	900	450	400	600	2300	2250	500	1360	4690	225	360	12600	848
02197216	2000	3000	1200	1700	1060	450	400	650	2300	2100	500	1360	5190	225	400	14000	925
02197221	2200	3500	1320	1870	500	485	500	500	2470	1250	500	1500	2690	200	220	7700	673
02197222	2200	4000	1320	1870	800	485	500	600	2470	1500	500	1500	3190	200	264	9240	766
02197223	2200	4500	1320	1870	500	485	500	500	2470	1750	500	1500	3690	200	308	10780	860
02197224	2200	5000	1320	1870	650	485	500	600	2470	2000	500	1500	4190	225	352	12320	953
02197225	2200	3000	1320	1870	650	485	500	600	2470	2250	500	1500	4690	225	396	13860	1046
02197226	2200	3500	1320	1870	900	485	500	600	2470	2500	500	1500	5190	250	440	15400	1245
02197231	2400	4000	1440	2040	800	510	600	600	2400	1500	500	1630	4220	200	288	12096	935
02197232	2400	4000	1440	2040	500	510	600	500	2670	1750	500	1630	4220	200	336	14112	1277
02197233	2400	5000	1440	2040	650	510	600	600	2670	2000	500	1630	4220	225	384	16128	1413
02197241	2500		1500	2125	650	540	600	600	2770	4000	500	1700	4220	225	400	16800	1486
02197242	2500		1500	2125	1060	540	600	650	2770	5000	500	1360	5220	250	500	21000	1769

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Composite Body Pool Filters



"Neptune" High Rate Sand Filters

GEMAS "NEPTUNE" COMMERCIAL SAND FILTERS.
Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air release valve of ½". Test pressure 3.5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m². Filtration Depth: 1,0 m (except 021216). Counter flange is not included in price (021216).

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Ø 1200 mm - Connections Ø 90 mm w/loose flange. Max. 56 m³/h. Large Lid	**021216L**	**2.230,00**	1	78,500	1,460
Ø 1400 mm - Connections Ø 110 mm flanged. Max. 77 m³/h	**021217**	**2.708,00**	1	145,000	2,350
Ø 1600 mm - without valve Ø 125 mm flanged connection. Max. 100 m³/h	**021218**	**3.986,00**	1	202,500	3,760
Ø 1800 mm - without valve Ø 140 mm flanged connection. Max. 127 m³/h	**021224**	**4.727,00**	1	225,000	5,080
Ø 2000 mm - without valve Ø 160 mm flanged connection. Max. 157 m³/h	**021219**	**5.501,00**	1	245,000	6,410
Ø 2200 mm - without valve Ø 200 mm flanged connection. Max. 190 m³/h	**021220**	**7.589,00**	1	425,000	8,900
Ø 2400 mm - without valve Ø 200 mm flanged connection. Max. 226 m³/h	**021225**	**11.899,00**	1	535,000	12,200

PS: Filtration rate for public pools should not exceed 40 m³/h/m².





Loose Flange connection (021216)



021218



Water Drainage

TECHNICAL CHARACTERISTICS

MODEL	021216	021216L	021217	021218	021224	021219	021220	021225
D (mm)	1200	1200	1400	1600	1800	2000	2200	2400
H_1 (mm)	1400	1400	1630	1980	2110	2210	2350	2750
H_3 (mm)	1290	1290	1520	1870	2000	2100	2240	2600
H_4 (mm)	530	590	305	750	750	770	900	900
H_5 (mm)	920	920	1410	1370	1370	1400	1530	1700
CONNECTIONS Ø (mm)	90	90	110	125	140	160	200	200
FLOW (m³/h) (50 m³/h/m²)	56	56	77	100	127	157	190	226
SAND (Kg)	1300	1300	1950	2750	3650	4750	5700	6600
NET WEIGHT (Kg)	78,500	78,500	145,000	202,500	225,000	245,000	425	535

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"Filtrex - Norm Plus" Sand Filters - Deep Bed



GEMAS FILTREX - NORM PLUS SAND FILTERS
According to DIN 19605 and 19643).
Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge. Manufactured with collector plate with nozzles. Sight glass at side. Bed depth 120 cm.
Filtration rate for single layer: 30 $m^3/h/m^2$.
Test pressure 3,5 kg/cm^2. Max. operation pressure 2,5 kg/cm^2.

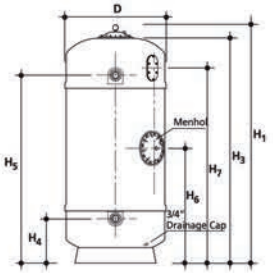


Sight Glass

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 630 mm - 9 m^3/h - 12,5 m^3/h	**021411**	**2.384,00**	1	52,650	0,630
Ø 830 mm -16 m^3/h - 21,5 m^3/h	**021412**	**2.442,00**	1	102,000	1,050
Ø 1000 mm - 23,5 m^3/h - 31,5 m^3/h	**021413**	**3.370,00**	1	135,000	1,880
Ø 1250 mm - 37 m^3/h - 49 m^3/h	**021414**	**5.081,00**	1	237,400	2,930
Ø 1400 mm - 46 m^3/h - 61,5 m^3/h	**021415**	**6.278,00**	1	300,000	3,700
Ø 1600 mm - 63 m^3/h - 84 m^3/h	**021416**	**8.344,00**	1	355,000	4,800









TECHNICAL CHARACTERISTICS

MODEL	021411	021412	021413	021414	021415	021416
D (mm)	630	830	1000	1250	1400	1600
H_1 (mm)	2005	2030	2135	2400	2480	2430
H_2 (mm)	-	-	-	-	-	-
H_3 (mm)	1890	1915	2005	2270	2420	2360
H_4 (mm)	320	375	505	315	830	885
H_5 (mm)	1675	1605	-	2050	1730	1665
H_6 (mm)	630	950	990	940	840	1035
H_7 (mm)	1510	1620	1690	1640	1970	1635
CONNECTIONS Ø (mm)	1 1/2"	2"	2 1/2"	3"	4"	4"
FLOW (m^3/h) (40 $m^3/h/m^2$)	12	22	31	49	61	80
ANTHRACITE 0,8 - 1,6 mm (lt)	200,000	300,000	475,000	675,000	770,000	1000,000
QUARTZ SAND 0,5 - 1 mm (Kg)	200,000	300,000	475,000	675,000	770,000	1000,000
QUARTZ SAND 1 - 3 mm (Kg)	150,000	225,000	425,000	525,000	630,000	825,000
NET WEIGHT (Kg)	52,650	102,000	135,000	237,000	300,000	355,000



Nozzle
Distribution System

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Composite Body Pool Filters



"Filtrex - Norm Plus" Sand Filters - Deep Bed

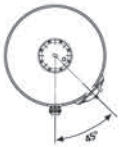
GEMAS FILTREX - NORM PLUS SAND FILTERS (According to DIN 19605 and 19643).

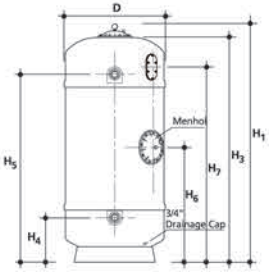
Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge. Manufactured with collector plate with nozzles. Sight glass at side. Bed depth 120 cm. Filtration rate for single layer: 30 $m^3/h/m^2$. Test pressure 3,5 kg/cm^2. Max. operation pressure 2,5 kg/cm^2.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 1800 mm - 76 m^3/h - 101 m^3/h	**021417**	**10.633,00**	1	450,000	
Ø 2000 mm- 94 m^3/h - 125 m^3/h	**021418**	**12.899,00**	1	470,000	
Ø 2200 mm - 114 m^3/h - 152 m^3/h	**021419**	**15.730,00**	1	685,000	
Ø 2400 mm - 136 m^3/h - 181 m^3/h	**021420**	**20.494,00**	1	860,000	
Ø 2500 mm - 136 m^3/h - 181 m^3/h	**021421**	**26.682,00**	1	910,000	



021417







Sight Glass





Nozzle Distribution System

TECHNICAL CHARACTERISTICS

MODEL	021417	021418	021419	021420	021421
D (mm)	1800	2000	2200	2400	2500
H_1 (mm)	2500	2790	2655	2695	2710
H_2 (mm)	-	-	-	-	-
H_3 (mm)	2325	2640	2500	2540	2550
H_4 (mm)	790	1095	1000	1000	1000
H_5 (mm)	1570	1865	1800	1770	1800
H_6 (mm)	940	1095	1090	1090	1090
H_7 (mm)	1540	1785	1800	1800	
CONNECTIONS Ø (mm)	5"	5"	6"	7,5"	7,5"
FLOW (m^3/h) (40 $m^3/h/m^2$)	102	126	152	181	197
ANTHRACITE 0,8 - 1,6 mm (lt)	1221,000	1507,000	1821,000	2170,000	4712,000
QUARTZ SAND 0,5 - 1 mm (Kg)	3205,000	3951,000	4787,000	5697,000	6185,000
QUARTZ SAND 1 - 3 mm (Kg)	1068,000	1319,000	1596,000	1899,000	2062,000
NET WEIGHT (Kg)	450,000	470,000	685,000	860,000	910,000

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Valve Batteries for Commercial Filters





FOR SINGLE FILTER: PVC Valve Batteries with 5 pieces of Ball/Butterfly valves complete mounted including pipe support pivots with arm clamps and anchoring system, all made in zinc-plated steel. **(Please see Battery Supports)**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 75 Ball Valves Battery	131117B	585,00	1		
Ø 90 Ball Valves Battery	131118B	919,00	1		
Ø 110 Ball Valves Battery	131119B	1.030,00	1		
Ø 110 Butterfly Valves Battery	131603B	1.323,00	1		
Ø 125 Butterfly Valves Battery	131604B	1.549,00	1		
Ø 140 Butterfly Valves Battery	131605B	1.642,00	1		
Ø 160 Butterfly Valves Battery	131606B	2.249,00	1		
Ø 200 Butterfly Valves Battery	131607B	3.282,00	1		
Ø 225 Butterfly Valves Battery	131608B	3.439,00	1		

FOR TWO FILTERS: PVC Valve Batteries with 5 pieces of Ball/Butterfly valves including pipe support pivots with arm clamps and anchoring system, all made in zinc-plated steel. **(Please see Battery Supports)**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 110 Ball Valves Battery	131119BD	1.369,00	1		
Ø 110 Butterfly Valves Battery	131603BD	1.758,00	1		
Ø 125 Butterfly Valves Battery	131604BD	1.776,00	1		
Ø 140 Butterfly Valves Battery	131605BD	1.881,00	1		
Ø 160 Butterfly Valves Battery	131606BD	2.532,00	1		
Ø 200 Butterfly Valves Battery	131607BD	3.675,00	1		
Ø 225 Butterfly Valves Battery	131608BD	3.868,00	1		





Automatic Air Purge. Automatic Air Purge for filters with large lid. Made of PVC, 1" male threaded connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1"	02701	41,00	1		
2"	02702	115,00	1		

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Motor Actuated Valves and Automatic Battery Sets For Filters



For Single Filter: Motor Actuated PVC valve batteries with ball or butterfly valves for commercial sand filters. Complete with zinc plated BAttery Support Sets and Clamp Support Systems. **(Please see Valve Battery Suport Systems).** The system is designed with 5 valve Groups including FILTRATION, BACKWASH, RINSE, RECIRCILATION and WASTE functions completely. DOES NOT INCLUDE CONTROL UNIT. Can be used manually in case of a power cut.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 630 mm - 9 m^3/h - 12,5 m^3/h	021411	2.384,00	1	52,650	0,630
Ø 830 mm -16 m^3/h - 21,5 m^3/h	021412	2.442,00	1	102,000	1,050
Ø 1000 mm - 23,5 m^3/h - 31,5 m^3/h	021413	3.370,00	1	135,000	1,880
Ø 1250 mm - 37 m^3/h - 49 m^3/h	021414	5.081,00	1	237,400	2,930
Ø 1400 mm - 46 m^3/h - 61,5 m^3/h	021415	6.278,00	1	300,000	3,700
Ø 1600 mm - 63 m^3/h - 84 m^3/h	021416	8.344,00	1	355,000	4,800



Automatic Valve Battery Control Unit With Microprocessor:
It is designed to work with 5 valve groups (described above) with pressure and/or time controlled. It deactivates the pump in case of high pressure. It stops/starts the pump during the valve position changes.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Control Unit	0221350P	1.688,00	1		
Electronic Pressure Sensor	0221350PS	316,00	1		
Wifi addition	0221350WF	146,00	1		





The stainless steel panel is not included in the price.





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Valve Battery Support Systems





GEMAS VALVE BATTERY SUPPORT PIVOT SET. Made of zinc plated steel, 40x40x2,5 mm steel profile, complete with 2 pieces of stainless steel sliding pipe clamp and 2 sets of sliding fixing part; with steel footers to be fixed with 4 screws on the ground.

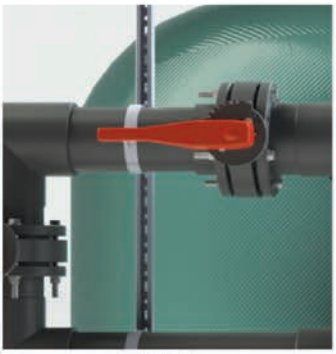
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 x Ø 90 Clamp - h=1,5 m	139111	81,00	1		
2 x Ø 110 Clamp - h=1,5 m	139112	81,00	1		
2 x Ø 125 Clamp - h=1,5 m	139113	84,00	1		
2 x Ø 140 Clamp - h=1,5 m	139114	90,00	1		
2 x Ø 160 Clamp - h=1,5 m	139115	90,00	1		
2 x Ø 200 Clamp - h=1,5 m	139116	102,00	1		
2 x Ø 225 Clamp - h=1,5 m	139117	105,00	1		
2 x Ø 140 Clamp - h=2,0 m	139121	99,00	1		
2 x Ø 160 Clamp - h=2,0 m	139122	99,00	1		
2 x Ø 200 Clamp - h=2,0 m	139123	110,00	1		
2 x Ø 225 Clamp - h=2,0 m	139124	114,00	1		





GEMAS HORIZONTAL PIPE SUPPORT SET. Made of zinc plated steel, 40x40x2,5 mm steel profile, complete with 2 pieces of stainless steel sliding pipe clamp and 2 sets of sliding fixing part; with steel footers to be fixed with 4 screws on the ground.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 x Ø 90 Clamp - h=0,40 m	139211	43,00	1		
1 x Ø 110 Clamp - h=0,40 m	139212	43,00	1		
1 x Ø 125 Clamp - h=0,40 m	139213	44,00	1		
1 x Ø 140 Clamp - h=0,40 m	139214	45,00	1		
1 x Ø 160 Clamp - h=0,40 m	139215	45,00	1		
1 x Ø 200 Clamp - h=0,40 m	139216	45,00	1		
1 x Ø 225 Clamp - h=0,40 m	139217	50,00	1		



Detail 1



Detail 2

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Valve Battery Support Systems

GEMAS VALVE BATTERY SUPPORT LANE - SINGLE. Made of zinc plated steel, 40x40x2,5 mm steel profile. Complete with steel footers to be fixed with 4 screws on the ground. Other end with plastic cap.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
h= 2,0 m, Support Pivot	1391112	52,00	1		
h= 1,5 m, Support Pivot	1391111	43,00	1		
h= 0,4 m, Horizontal Support	1391110	27,00	1		

GEMAS SLIDING PIPE CLAMP FOR SUPPORT. Made of AISI 304 stainless steel.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 90	13911111	8,60	1		
Ø 110	13911112	8,60	1		
Ø 125	13911113	9,00	1		
Ø 140	13911114	10,60	1		
Ø 160	13911115	10,60	1		
Ø 200	13911116	13,70	1		
Ø 225	13911117	14,00	1		

GEMAS SLIDING CLAMP FIXING PART.
Complete with M8 nuts and bolts. Two pieces of fixing part is necessary for each clamp.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1391114	4,50	1		

GEMAS CAP FOR SUPPORT LANE. Made of plastic, black cap - 400 x 400 mm.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1391113	0,35	1		

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Cartridge Filters

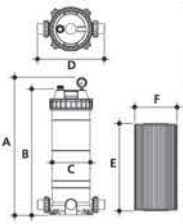


GEMAS CARTRIDGE FILTER. Body made in ABS plastic. Complete with manometer and air purge connections 1 1/2" BSP threaded. Max. operation pressure: 2.5 Bar.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
AF25 Cartridge Filter - 5,5 m3/h	02411	225,00	1	5,000	0,040
AF50 Cartridge Filter - 11,4 m3/h	02413	287,00	1	5,500	0,050
AF75 Cartridge Filter - 17,0 m3/h	02414	343,00	1	6,500	0,060
AF100 Cartridge Filter - 22,9 m3/h	02415	402,00	1	7,500	0,070
AF150 Cartridge Filter - 33,4 m3/h	02416	460,00	1		
AF200 Cartridge Filter - 40,9 m3/h	02417	558,00	1		



MODEL	DIA (mm)	HEIGHT (mm)	CONNECTIONS (Inlet-Outlet)	OPER.PRESSURE (kg/cm^2)	FLOW (m^3/h)	FILTRATION CAP. (μ)
AF25	445	387	1/2"	2,5	5,5	≥15
AF50	625	567	1/2"	2,5	11,4	≥15
AF75	805	747	1/2"	2,5	17,0	≥15
AF100	985	927	2"	2,5	22,9	≥15
AF150	1165	1107	2"	2,5	33,4	≥15
AF200	1345	1287	2"	2,5	40,9	≥15



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	FILTRATION AREA (m^2)
AF25	445	387	225	397	184.5	183	2,25
AF50	625	567	225	397	364.5	183	4,63
AF75	805	747	225	397	544.5	183	7,00
AF100	985	927	225	397	724.5	183	9,38
AF150	1165	1107	225	397	904.5	183	13,72
AF200	1345	1287	225	397	544.5x2	183	16,82



GEMAS REPLACEMENT CARTRIDGE

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
AF25-CE Cartridge	0241101	68,00	1		
AF50-CE Cartridge	0241301	84,00	1		
AF75-CE Cartridge	0241401	106,00	1		
AF100-CE Cartridge	0241501	127,00	1		
AF150-CE Cartridge	0241601	143,00	1		
AF200-CE Cartridge	0241701	198,00	1		

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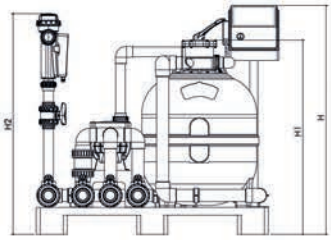
NEW !

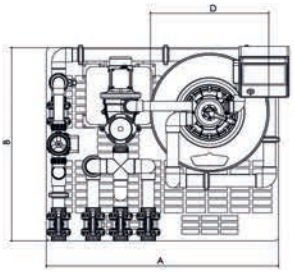
Palletized Filtration System

Completely Installed on 100 x 120 cm pallet. 3 suctions, 1 return and 1 back wash line (d63 mm). Salt Chlorinator, Electric Panel, and transformers are optional. Extra bypass connection available for auxillary unit installation such as chlorinator, heater, heat pump etc.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 500 mm Top Filter - 3/4 HP Mini Mono Pump	02526	1.300,00	1		
Ø 615 mm Top Filter - 1 HP Mini Mono Pump	02527	1.500,00	1		
Ø 760 mm Top Filter - 1,5 HP Pump	02528	1.800,00	1		







Salt Chlorinator (Optional)

TECHNICAL CHARACTERISTICS

MODEL	A	B	D	H	H1	H2
D.500 Premium Filter - 3/4 HP Mini Streamer Pump	1200	1000	500	1100	855	1100
D.615 Premium Filter - 1 HP Mini Streamer Pump	1200	1000	615	1200	975	1100
D.760 Filtrone Filter - 1.5 HP Mini Streamer Pump	1200	1000	760	1300	1195	1100



Electric Panel (Optional)

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Hang-over Filtration Units



GEMAS "DECKON" HANG-OVER FILTRATION UNIT.

Hang-over Unit: Body made in UV resistant ABS plastic; complete with 23 W/12 V LED underwater light, skimmer, suction inlet, 2+1 side and bottom oriented inlets. Separated assembly of hangover unit and filter room is possible by using two different plastic covers (included).

Filtration Room: Base part made in FRP, upper frame + room cover made in UV resistant ABS plastic. Complete with sand or cartridge filter, electrical control board, pneumatic on-off switch and transformer. Machine room and Hang-over unit can be installed separately. Top covers for such application is included.



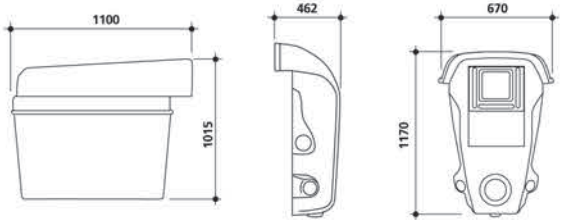


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Hang-over Unit	**02511**	**989,00**	1	**19,100**	**0,420**
Filtration Room w/Sand Filter					
Ø 400 mm Sand Filter + ½ HP	**02512**	**2.099,00**	1	**65,850**	**0,870**
Pump - 6 m^3/h					
Ø 500 mm Sand Filter + ¾ HP	**02513**	**2.176,00**	1	**67,650**	**0,870**
Pump - 10 m^3/h					

PS. In case of any inquiry for Ø 615 or Ø 710 filter, this unit could be incorporated w/fitration room 02517.

Filtration Room w/Cartridge Filter					
P510 Cartridge Filter + ½ HP	**02514**	**2.106,00**	1		
Pump - 6 m^3/h					
P512 Cartridge Filter + ¾ HP	**02515**	**2.220,00**	1		
Pump - 10 m^3/h					
P513 Cartridge Filter + 1 HP	**02516**	**2.291,00**	1		
Pump - 15 m^3/h					
Options					
ECOSlimLED Light	**051130EO**	**52,00**	1		
Chlorine Feeder	**069CLT167B**	**49,00**	1		

PS. Filter media not included.





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Hang-over Filtration Units

GEMAS "DECKON JET" HANG-OVER FILTRATION UNIT with COUNTER CURRENT.

Hang-over Unit: Body made of UV resistant ABS plastic; complete with 23 W/12 V LED underwater light, skimmer, suction inlet, 2+1 side and bottom oriented inlets, jet inlet, air regulator, counter current on/off pneumatic button, stainless steel handles. Separated assembly of hang-over unit and filter room is possible by using two diffe rent plastic covers (included).

Filtration Room: Base part made in FRP, upper frame + room cover made in UV resistant ABS plastic. Complete with circulation pump, 2 HP jet pump, cartridge or cartridge sand filter, electrical control board, pneumatic on/off switch and transformers. Machine room and Hang-over unit can be installed separately. Top covers for such application is included.





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Hang-over Unit	**02511J**	**1.396,00**	1	**20,000**	**0,420**
Filtration Room w/Sand Filter					
• Ø 400 mm Sand Filter + ½ HP + 2 HP Jet Pump - 6 m^3/h	**02512J**	**2.989,00**	1	**85,850**	**0,870**
• Ø 500 mm Sand Filter + ¾ HP + 2 HP Jet Pump - 10 m^3/h	**02513J**	**3.069,00**	1	**89,650**	**0,870**

PS. In case of any inquiry for Ø 615 or Ø 710 filter, this unit could be incorporated w/fitration room 02517.

Filtration Room w/Cartridge Filter					
• P510 Cartridge Filter + ½ HP + 2 HP Jet Pump - 6 m^3/h	**02514J**	**2.986,00**	1		
• P512 Cartridge Filter + ¾ HP + 2 HP Jet Pump - 10 m^3/h	**02515J**	**3.125,00**	1		
• P513 Cartridge Filter + 1 HP + 2 HP Jet Pump - 15 m^3/h	**02516J**	**3.264,00**	1		
Options					
ECOSlimLED Light	**051130EO**	**52,00**	1		
Chlorine Feeder	**069CLT167B**	**49,00**	1		

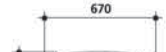
PS. Filter media not included.

















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Filtration Rooms



GEMAS FILTRATION ROOM

CABIN II: Body made of FRP, frame and top up made of ABS. Suitable up to Ø 500 mm size premium top mounted sand filter. Body to be mounted in the ground.

CABIN III: Body and lid made LDPE, It is produced with rotational moulding technique. Complete with double sided wall joints, water drainage and locking nuts. Max. filter size Ø 830 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Cabin II	02510	856,00	1		
Cabin III	0251702	934,00	1		







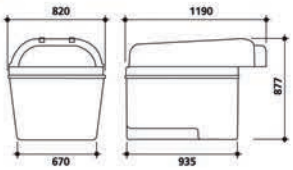
GEMAS FILTRATION UNIT WITH ROOM

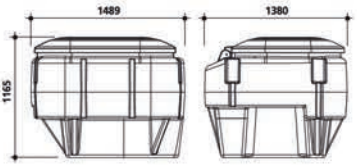
Gemas Filtration Room 0251702 installed with Filtrone Sand Filter, Mini Streamer Pump.

Options: Pool Basic Automatic pH and Redox Controller, Chlorine Feeder, HOZ-01/02 Ozone Generator, Remote Control for UW Light and Pump, Electrical Control Panel, Tranformer.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 615 mm Sand Filter (021713) + ¾ HP Pump - 15 m^3/h.	02517	2.078,00	1	124,000	1,950
Ø 710 mm Sand Filter (021814) + 1,5 HP Pump - 20 m^3/h.	02518	2.403,00	1	140,000	1,950





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GEMAS Multiport Valves - Manual

GEMAS VALVEX 03 - SIDE. Multiport valve, 1 ½"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 ½" Threaded connections	**02400T**	**51,00**	1	1,600	
Ø 50 mm Slip connections - metric	**02400**	**51,00**	1	1,600	0,008


02400

GEMAS VALVEX 03 - TOP. Multiport valve - BSP threaded body for 1 ½".
Bolted lid connection for 2".

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Threaded connections	**02403T**	**61,00**	1	1,900	0,015
Ø 50 mm Slip connections - metric	**02403**	**59,00**	1	1,900	
2" Threaded connections	**02213029T**	**95,00**	1	3,500	
Ø 63 mm Slip connections - metric	**02213029**	**88,00**	1	3,500	


02403


02213029T

GEMAS VALVEX 03 - TOP CLAMPED. Multiport valve, 1 ½", clamp set not included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 ½" Threaded connections	**02404T**	**65,00**	1	1,900	0,015
Ø 50 mm Slip connections - metric	**02404**	**64,00**	1	1,900	
Clamp Set - (Old)	**024041**	**11,00**	1		
Clamp Set - (New)	**024042**	**23,00**	1		


02404


02213027

GEMAS VALVEX 04 - SIDE. Multiport valve, 2"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Multiport Valve, 2" Threaded connections	**02213027T**	**79,00**	1	2,956	0,016
Ø 63 mm Slip connections - metric	**02213027**	**75,00**	1	3,000	


02213028

GEMAS VALVEX 05 - SIDE. Multiport valve, 2 ½".
2" multiport valve outputs are with Ø 75 mm sockets outside.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 75 mm Slip connections - metric	**02213028**	**83,00**	1		0,016

SIDE MULTIPORT VALVE. Threaded connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 ½" w/out connection	**022130001**	**318,00**	1		
3" w/out connection	**022130002**	**784,00**	1	8,000	0,050
4" w/out connection	**022380-E20**	**1.157,00**	1	18,000	0,120


022130001


022130002


022380-E20

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Automatic Multiway Valves



Automatic Multiway Valves; Automatic side mounted multiway valve with Pressure and Time Controller. Adjustable Backwash and Rinse periods.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 ½", Threaded con.	0221310	1.826,00	1	4,000	0,033
2", Threaded con.	0221320	1.948,00	1	5,000	0,033
Gemaş,½", Threaded connection	0221311	P.A.P.	1		
Gemaş, 2", Threaded connection	0221312	P.A.P.	1		

Filtration Media - Ouartz Sand



Ouartz Sand

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
(0,5 - 1,0 mm)	02312	0,40	1	25,000	0,040
(1,0 - 3,0 mm)	02313	0,40	1	25,000	0,040
(3,0 - 5,0 mm)	02314	0,40	1	25,000	0,040



Anthracite

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Price per liter	02321	4,80	1	30,000	0,040

Zeolite

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Price per liter	02331	1,10	1	25,000	0,050

PS: Zeolite is used instead of Quartz or with Quartz.
It is used to reduce Iron elements or stabilize the hardness in pool water.
Should be backwashed and rinsed for 30 minutes before first operation.

Sand Discharge Tool



SANDVAC. Sand Evacuation Tool. Works with wet-dry vacuuming.Stainless Steel Body. Complete with hose. 220V / 50 Hz - Monophase.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	02601	1.461,00	1		

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GEMAS Glass Filtration Media



GEMAS GLASS FILTER-MEDIA. Is the environmentally friendly filter media and a viable alternative to silica sand; made from glass recycled, it doesn't involve intrusive mining and the use of scarce resources.
GGFM has the green credentials, and with its superior performance is also cost effective against sand.

GGFM the Benefits Over Silica Sand

GGFM Is More Efficient:

Saving on backwashing decreases water, energy and chemical treatment costs.
- It's angular to sub-angular particle shape and bound silica content provides a 30% improvement in turbidity removal over silica sand.
- It generally removes finer particles from water than the equivalent grade of silica sand.
- It's non porous composition means its less likely to 'clump' than silica sand.
- With superior permeability, backwashing take less time, saving water/sewer charges, energy and chemical treatment costs.

GGFM Keeps Cleaner: It's less susceptible to bio-fouling as, unlike silica sand GGFM's particles have a smooth surface area, so bacteria can't get trapped in any cracks or flaws, which translates to less remedial action and again less chemical treatment to kill pollutants.

GGFM Requires Less Material: It's less dense than sand, requiring 15% less media to fill the equivalent filter.

GGFM Longer Life: It therefore has a longer life span and may not need changing even when the filters are due for refurbishment.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
0,6 mm - 1,00 mm grain thickness	**023411**	**0,90**	1		
1 mm - 3,00 mm grain thickness	**023412**	**0,90**	1		
3 mm - 5,00 mm grain thickness	**023413**	**0,90**	1		

Density Comparison GGFM Against Sand

Dia of filter (mm)	Total Grade 1&3 Sand Required (kg)	Total Grade 1&3 GGFM GGFM Required (kg)
600	150	130
750	250	215
900	450	385
1000	700	595
1200	1300	1100
1400	1950	1660
1600	2750	2340
1800	3650	3105
2000	4750	4040
2200	5700	4845
2400	6600	5610
2500	7000	5950

As GGFM is lighter than sand, it takes approximately 15% less GGFM to fill the filter bed to the same depth as sand.

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POOL EQUIPMENT

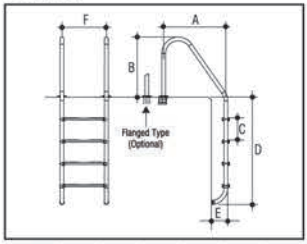


03	Poolside Equipment	83
04	In-Pool Materials	107

Pool Ladders



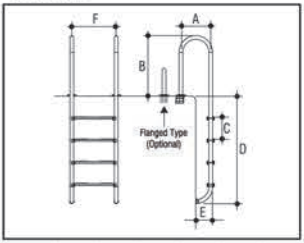
STANDARD



Number of Treads	A	B	C	D	E	F
2	700	690	250	700	190	500
3	700	690	250	950	190	500
4	700	690	250	1200	190	500
5	700	690	250	1450	190	500



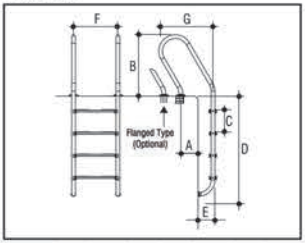
"U" MODEL



Number of Treads	A	B	C	D	E	F
2	330	670	250	700	190	500
3	330	670	250	950	190	500
4	330	670	250	1200	190	500
5	330	670	250	1450	190	500



COMBINED



Number of Treads	A	B	C	D	E	F	G
2	210	690	250	630	190	500	640
3	210	690	250	880	190	500	640
4	210	690	250	1130	190	500	640
5	210	690	250	1380	190	500	640

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

STANDARD 304 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0311111**	**157,00**	1	10,200	0,122
With 3 Stainless Steel Treads	**0311112**	**188,00**	1	11,900	0,122
With 4 Stainless Steel Treads	**0311113**	**205,00**	1	13,300	0,122
With 5 Stainless Steel Treads	**0311114**	**233,00**	1	14,800	0,139

U 304 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0311211**	**157,00**	1	8,800	0,071
With 3 Stainless Steel Treads	**0311212**	**188,00**	1	10,200	0,071
With 4 Stainless Steel Treads	**0311213**	**205,00**	1	11,800	0,071
With 5 Stainless Steel Treads	**0311214**	**233,00**	1	13,100	0,079

COMBINED 304 MODEL WITH STAINLESS STEEL TREADS

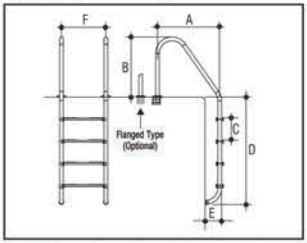
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0311311**	**181,00**	1	9,700	0,118
With 3 Stainless Steel Treads	**0311312**	**209,00**	1	11,200	0,118
With 4 Stainless Steel Treads	**0311313**	**217,00**	1	12,800	0,118
With 5 Stainless Steel Treads	**0311314**	**263,00**	1	14,300	0,118

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Pool Ladders



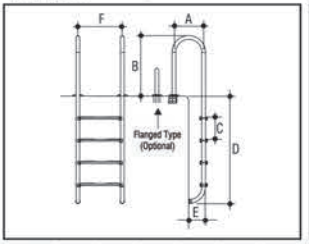
STANDARD



Number of Treads	A	B	C	D	E	F
2	700	690	250	700	190	500
3	700	690	250	950	190	500
4	700	690	250	1200	190	500
5	700	690	250	1450	190	500



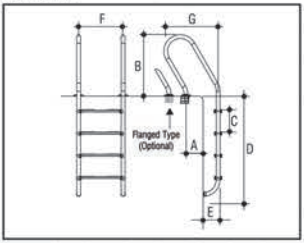
"U" MODEL



Number of Treads	A	B	C	D	E	F
2	330	670	250	700	190	500
3	330	670	250	950	190	500
4	330	670	250	1200	190	500
5	330	670	250	1450	190	500



COMBINED



Number of Treads	A	B	C	D	E	F	G
2	210	690	250	630	190	500	640
3	210	690	250	880	190	500	640
4	210	690	250	1130	190	500	640
5	210	690	250	1380	190	500	640

500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

STANDARD 316 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312111**	**226,00**	1	10,600	0,122
With 3 Stainless Steel Treads	**0312112**	**267,00**	1	12,300	0,122
With 4 Stainless Steel Treads	**0312113**	**305,00**	1	13,700	0,122
With 5 Stainless Steel Treads	**0312114**	**345,00**	1	15,200	0,139

U 316 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312221**	**226,00**	1	9,200	0,071
With 3 Stainless Steel Treads	**0312222**	**267,00**	1	10,600	0,071
With 4 Stainless Steel Treads	**0312223**	**305,00**	1	12,200	0,071
With 5 Stainless Steel Treads	**0312224**	**345,00**	1	13,500	0,079

COMBINED 316 MODEL WITH STAINLESS STEEL TREADS.

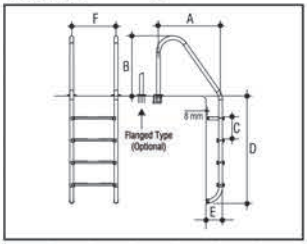
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312311**	**253,00**	1	10,100	0,118
With 3 Stainless Steel Treads	**0312312**	**279,00**	1	11,600	0,118
With 4 Stainless Steel Treads	**0312313**	**319,00**	1	13,200	0,118
With 5 Stainless Steel Treads	**0312314**	**369,00**	1	14,700	0,118

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Pool Ladders - Commercial Pools



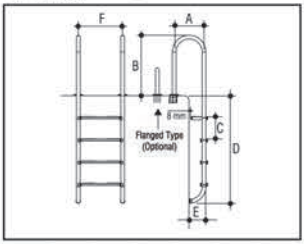
STANDARD



Number of Treads	A	B	C	D	E	F
2	700	690	250	700	190	500
3	700	690	250	950	190	500
4	700	690	250	1200	190	500
5	700	690	250	1450	190	500



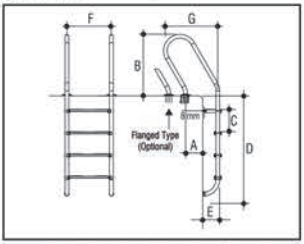
"U" MODEL



Number of Treads	A	B	C	D	E	F
2	330	670	250	700	190	500
3	330	670	250	950	190	500
4	330	670	250	1200	190	500
5	330	670	250	1450	190	500



COMBINED



Number of Treads	A	B	C	D	E	F	G
2	210	690	250	630	190	500	640
3	210	690	250	880	190	500	640
4	210	690	250	1130	190	500	640
5	210	690	250	1380	190	500	640

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standard.

STANDARD 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311111EU	190,00	1	11,400	0,122
With 3 Stainless Steel Treads	0311112EU	219,00	1	13,100	0,122
With 4 Stainless Steel Treads	0311113EU	244,00	1	14,500	0,122
With 5 Stainless Steel Treads	0311114EU	272,00	1	16,000	0,139

U 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311211EU	190,00	1	10,000	0,071
With 3 Stainless Steel Treads	0311212EU	219,00	1	11,400	0,071
With 4 Stainless Steel Treads	0311213EU	244,00	1	13,000	0,071
With 5 Stainless Steel Treads	0311214EU	272,00	1	14,300	0,079

COMBINED 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

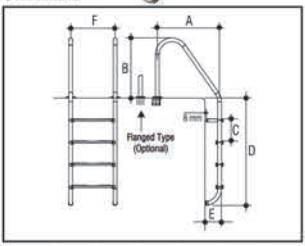
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311311EU	200,00	1	10,900	0,118
With 3 Stainless Steel Treads	0311312EU	227,00	1	12,400	0,118
With 4 Stainless Steel Treads	0311313EU	252,00	1	14,000	0,118
With 5 Stainless Steel Treads	0311314EU	290,00	1	15,500	0,118

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Pool Ladders - Commercial Pools



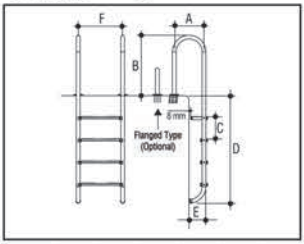
STANDARD



Number of Treads	A	B	C	D	E	F
2	700	690	250	700	190	500
3	700	690	250	950	190	500
4	700	690	250	1200	190	500
5	700	690	250	1450	190	500



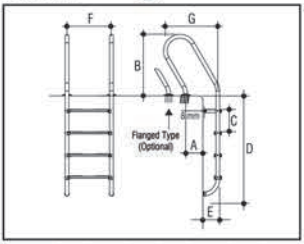
"U" MODEL



Number of Treads	A	B	C	D	E	F
2	330	670	250	700	190	500
3	330	670	250	950	190	500
4	330	670	250	1200	190	500
5	330	670	250	1450	190	500



COMBINED



Number of Treads	A	B	C	D	E	F	G
2	210	690	250	630	190	500	640
3	210	690	250	880	190	500	640
4	210	690	250	1130	190	500	640
5	210	690	250	1380	190	500	640

500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standard.

STANDARD 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312111EU	252,00	1	11,800	0,122
With 3 Stainless Steel Treads	0312112EU	293,00	1	13,500	0,122
With 4 Stainless Steel Treads	0312113EU	333,00	1	14,900	0,122
With 5 Stainless Steel Treads	0312114EU	372,00	1	16,400	0,139

U 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312211EU	252,00	1	10,400	0,071
With 3 Stainless Steel Treads	0312212EU	293,00	1	11,800	0,071
With 4 Stainless Steel Treads	0312213EU	333,00	1	13,400	0,071
With 5 Stainless Steel Treads	0312214EU	372,00	1	14,700	0,079

COMBINED 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

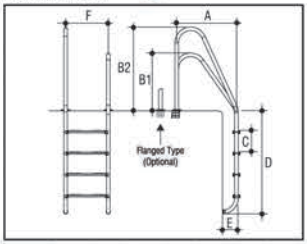
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312311EU	279,00	1	11,300	0,118
With 3 Stainless Steel Treads	0312312EU	302,00	1	12,800	0,118
With 4 Stainless Steel Treads	0312313EU	342,00	1	14,200	0,118
With 5 Stainless Steel Treads	0312314EU	406,00	1	15,900	0,118

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Pool Ladders



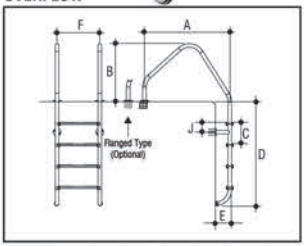
ASYMMETRIC



Number of Treads	A	B1	B2	C	D	E	F
2	700	690	980	250	730	190	500
3	700	690	980	250	980	190	500
4	700	690	980	250	1230	190	500
5	700	690	980	250	1480	190	500



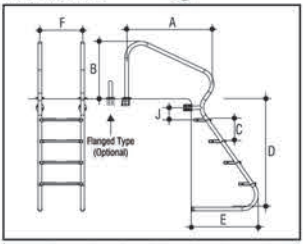
OVERFLOW



Number of Treads	A	B	C	D	E	F	J
2	1020	650	250	750	190	500	100
3	1020	650	250	1000	190	500	100
4	1020	650	250	1250	190	500	100
5	1020	650	250	1500	190	500	100



EASY ACCESS



Number of Treads	A	B	C	D	E	F	J
2	1020	670	250	770	440	500	150
3	1020	670	250	1020	615	500	150
4	1020	670	250	1270	790	500	150
5	1020	670	250	1520	965	500	150

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip.
Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel.
Manufactured with double safety tread in accordance to EN 13451-2/AC standard.
Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

ASYMMETRIC 304 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311811	186,00	1		0,247
With 3 Stainless Steel Treads	0311812	215,00	1		0,247
With 4 Stainless Steel Treads	0311813	241,00	1		0,247
With 5 Stainless Steel Treads	0311814	271,00	1		0,271

OVERFLOW 304 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311411	201,00	1	12,500	0,247
With 3 Stainless Steel Treads	0311412	219,00	1	13,700	0,247
With 4 Stainless Steel Treads	0311413	249,00	1	15,100	0,247
With 5 Stainless Steel Treads	0311414	287,00	1	17,000	0,271

EASY ACCESS 304 MODEL WITH STAINLESS STEEL TREADS.

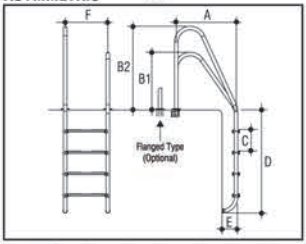
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311511	267,00	1		
With 3 Stainless Steel Treads	0311512	284,00	1		
With 4 Stainless Steel Treads	0311513	319,00	1		
With 5 Stainless Steel Treads	0311514	365,00	1		

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Pool Ladders



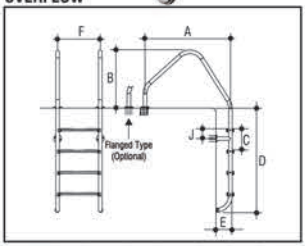
ASYMMETRIC



Number of Treads	A	B1	B2	C	D	E	F
2	700	690	980	250	730	190	500
3	700	690	980	250	980	190	500
4	700	690	980	250	1230	190	500
5	700	690	980	250	1480	190	500



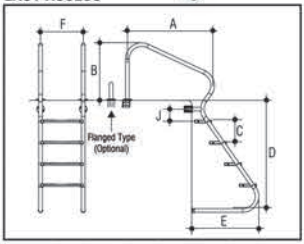
OVERFLOW



Number of Treads	A	B	C	D	E	F	J
2	1020	650	250	750	190	500	100
3	1020	650	250	1000	190	500	100
4	1020	650	250	1250	190	500	100
5	1020	650	250	1500	190	500	100



EASY ACCESS



Number of Treads	A	B	C	D	E	F	J
2	1020	670	250	770	440	500	150
3	1020	670	250	1020	615	500	150
4	1020	670	250	1270	790	500	150
5	1020	670	250	1520	965	500	150

500 mm width. Treads in AISI 316 quality stainless steel and anti-slip.
Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel.
Manufactured with double safety tread in accordance to EN 13451-2/AC standard.
Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

ASYMMETRIC 316 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312811**	**253,00**	1		0,247
With 3 Stainless Steel Treads	**0312812**	**292,00**	1		0,247
With 4 Stainless Steel Treads	**0312813**	**330,00**	1		0,247
With 5 Stainless Steel Treads	**0312814**	**373,00**	1		0,271

OVERFLOW 316 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312411**	**280,00**	1	12,500	0,247
With 3 Stainless Steel Treads	**0312412**	**297,00**	1	13,700	0,247
With 4 Stainless Steel Treads	**0312413**	**341,00**	1	15,100	0,247
With 5 Stainless Steel Treads	**0312414**	**382,00**	1	17,000	0,271

EASY ACCESS 316 MODEL WITH STAINLESS STEEL TREADS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	**0312511**	**372,00**	1		
With 3 Stainless Steel Treads	**0312512**	**398,00**	1		
With 4 Stainless Steel Treads	**0312513**	**476,00**	1		
With 5 Stainless Steel Treads	**0312514**	**529,00**	1		

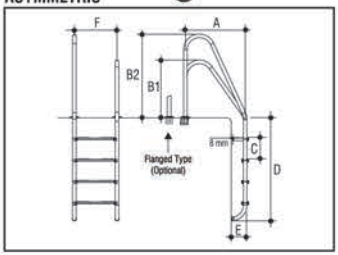
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Pool Ladders - Commercial Pools



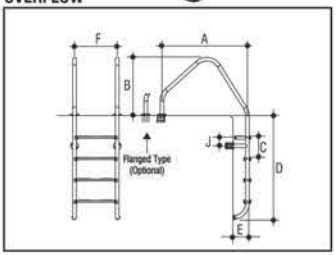


ASYMMETRIC



Number of Treads	A	B	C	D	E	F
2	1020	660	250	650	180	500
3	1020	660	250	900	180	500
4	1020	660	250	1240	180	500
5	1020	660	250	1425	180	500

OVERFLOW



Number of Treads	A	B1	B2	C	D	E	F
2	700	670	965	250	720	180	500
3	700	670	965	250	980	180	500
4	700	670	965	250	1260	180	500
5	700	670	965	250	1470	180	500

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip.
Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel.
Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.
Manufactured with double safety tread in accordance to EN 13451-2/AC standard.

ASYMMETRIC 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311811EU	204,00	1		
With 3 Stainless Steel Treads	0311812EU	233,00	1		
With 4 Stainless Steel Treads	0311813EU	259,00	1		
With 5 Stainless Steel Treads	0311814EU	290,00	1		

OVERFLOW 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311411EU	220,00	1	13,700	0,247
With 3 Stainless Steel Treads	0311412EU	237,00	1	14,900	0,247
With 4 Stainless Steel Treads	0311413EU	266,00	1	17,300	0,247
With 5 Stainless Steel Treads	0311414EU	294,00	1	19,200	0,271

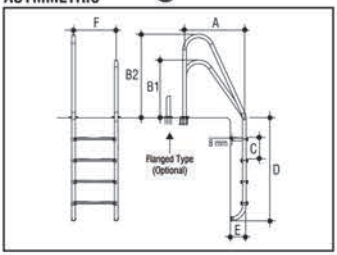
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Pool Ladders - Commercial Pools



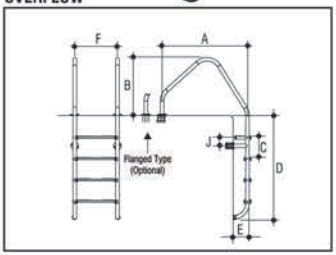


ASYMMETRIC



Number of Treads	A	B	C	D	E	F
2	1020	660	250	650	180	500
3	1020	660	250	900	180	500
4	1020	660	250	1240	180	500
5	1020	660	250	1425	180	500

OVERFLOW



Number of Treads	A	B1	B2	C	D	E	F
2	700	670	965	250	720	180	500
3	700	670	965	250	980	180	500
4	700	670	965	250	1260	180	500
5	700	670	965	250	1470	180	500

500 mm width. Treads in AISI 316 quality stainless steel and anti-slip.
Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel.
Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.
Manufactured with double safety tread in accordance to EN 13451-2/AC standard.

ASYMMETRIC 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312811EU	279,00	1		
With 3 Stainless Steel Treads	0312812EU	319,00	1		
With 4 Stainless Steel Treads	0312813EU	359,00	1		
With 5 Stainless Steel Treads	0312814EU	406,00	1		

OVERFLOW 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312411EU	310,00	1	14,100	0,247
With 3 Stainless Steel Treads	0312412EU	328,00	1	15,300	0,247
With 4 Stainless Steel Treads	0312413EU	369,00	1	16,700	0,247
With 5 Stainless Steel Treads	0312414EU	405,00	1	19,600	0,271

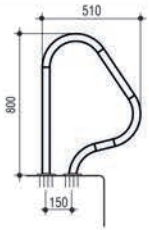
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Grab Rails for Split Model Pool Ladders

Steep Grab Rail: 510 x 800 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with fixing plates, gaskets, bolts and bolt plugs.



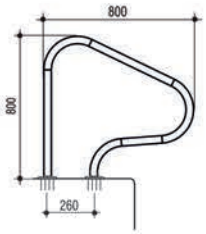
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Set of 2	03322	169,00	1	5,000	5,000



Deep Grab Rail: 800 x 800 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with fixing plates, gaskets, bolts and bolt plugs.



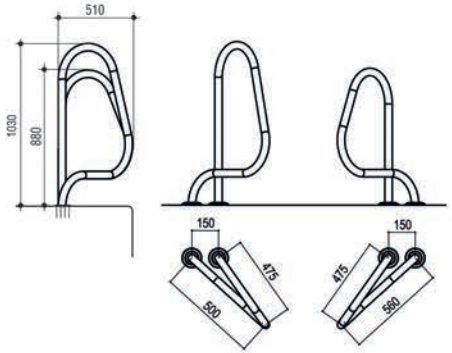
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Set of 2	03323	219,00	1	5,000	5,000



Cross Grab Rail: Ø 42 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with monoblock rectangular fixing plate, gaskets, bolts and bolt plugs.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Set of 2	03324	246,00	1	5,000	5,000



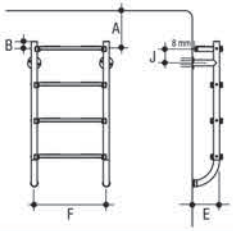
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Pool Ladders

SPLIT 304 MODEL WITH STAINLESS STEEL TREADS.

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Number of Treads	A	B	C	E	F	J
2	250	50	250	190	500	100
3	250	50	250	190	500	100
4	250	50	250	190	500	100
5	250	50	250	190	500	100







Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311711	137,00	1	12,500	0,247
With 3 Stainless Steel Treads	0311712	163,00	1	13,700	0,247
With 4 Stainless Steel Treads	0311713	189,00	1	15,100	0,247
With 5 Stainless Steel Treads	0311714	219,00	1	17,000	0,271

SPLIT 316 MODEL WITH STAINLESS STEEL TREADS.

500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0312711	192,00	1	12,500	0,247
With 3 Stainless Steel Treads	0312712	220,00	1	13,700	0,247
With 4 Stainless Steel Treads	0312713	258,00	1	15,100	0,247
With 5 Stainless Steel Treads	0312714	299,00	1	17,000	0,271



SPLIT 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS.

500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451- 2/AC standard.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 2 Stainless Steel Treads	0311711EU	153,00	1	12,900	0,247
With 3 Stainless Steel Treads	0311712EU	183,00	1	14,100	0,247
With 4 Stainless Steel Treads	0311713EU	212,00	1	15,500	0,247
With 5 Stainless Steel Treads	0311714EU	241,00	1	17,400	0,271

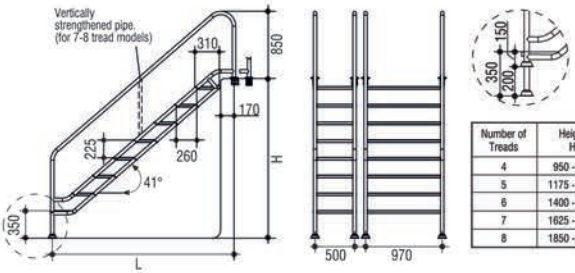


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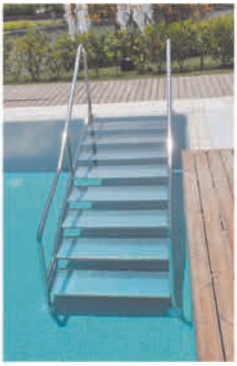
Pool Ladders for Disabled Persons



INCLINED 304 MODEL STAINLESS STEEL POOL LADDER - WIDTH=500 mm.
For easy entry and exit in to and out from leisure or hydrotherapy pools for people not requiring a hydraulic lift chair. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with anti-slip polyester treads plastic anchors, anchor escutcheons, end caps, bolts and nuts.



Number of Treads	Height H	Length L
4	950 - 1150	1290
5	1175 - 1375	1550
6	1400 - 1600	1810
7	1625 - 1825	2070
8	1850 - 2050	2330



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 4 Stainless Steel Treads	0311611	1.419,00	1		
With 5 Stainless Steel Treads	0311612	1.618,00	1		
With 6 Stainless Steel Treads	0311613	1.815,00	1		
With 7 Stainless Steel Treads	0311614	2.010,00	1		
With 8 Stainless Steel Treads	0311615	2.214,00	1		

Note: For 316 stainless steel option - add 20%

INCLINED 304 MODEL STAINLESS STEEL POOL LADDER - WIDTH=970 mm. For easy entry and exit in to and out from leisure or hydrotherapy pools for people not requiring a hydraulic lift chair. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with anti-slip polyester treads plastic anchors, anchor escutcheons, end caps, bolts and nuts.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With 4 Stainless Steel Treads	0311621	1.611,00	1		
With 5 Stainless Steel Treads	0311622	1.822,00	1		
With 6 Stainless Steel Treads	0311623	2.007,00	1		
With 7 Stainless Steel Treads	0311624	2.200,00	1		
With 8 Stainless Steel Treads	0311625	2.422,00	1		

Note: For 316 stainless steel option - add 20%





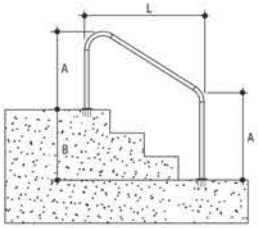
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Handrails for Concrete Ladders

IN-POOL HANDRAIL. Made of AISI 304 quality polished stainless steel Ø 42 mm pipe. Complete with fixing plates and screws.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 1220 mm	03311	311,00	1	7,000	0,237
Length: 1524 mm	03312	348,00	1	8,000	0,261

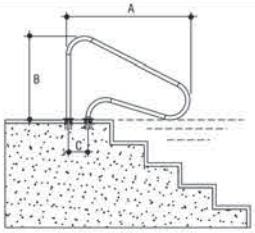


L	A	B
1220	800	680
1524	800	855

OUT-POOL HANDRAIL. Made of AISI 304 quality polished St. steel Ø 42 mm pipe. Complete with fixing plates and screws.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 1250 mm	03321	162,00	1	5,000	0,060



A	B	C
1250	850	200

LATERAL GRAB RAIL WITH FIXING PLATES. Made of AISI 304 quality polished stainless steel Ø 42 mm pipe. Complete with fixing plates and screws.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 0.5 m	03331	70,00	1	2,000	0,019
Length: 1.0 m	03332	82,00	1	3,000	0,037
Length: 2.0 m	03333	117,00	1	7,500	0,072
Length: 2.5 m	03334	127,00	1	9,000	0,089

LIFEGUARD SEAT.
AISI 304 quality polished stainless steel Ø 42 mm pipe.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 2	14671	1.076,00	1		

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Ladder Accessories



LADDER ANCHOR. Made of plastic for Ø 42 mm pipe, earth connection possible.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Solid plastic for Ø 42 mm pipe.	03201	8,00		0,142	
Stainless steel anchor	03201S	29,00			

Note: Please place special order for "grounding plate" type.



ANCHOR ESCUTCHEON

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Made of AISI 304 quality polished stainless steel, price per piece	032021	8,00			

LADDER TREADS





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• Made of AISI 304 St. steel with anti-slip pad for Ø 42 mm handrails, width 500 mm	032031	27,00	1		
• Ditto, Inclined	0320311	33,00	1		
• Made of AISI 304 St. steel with anti-slip pad for Ø 38 mm handrails, width 500 mm	032032	27,00	1		
• Ditto, Inclined	0320321	33,00	1		
• Double Tread.Made of AISI 304 St. steel with anti-slip pad for Ø 42 mm handrails, width 500 mm	032033	74,00	1		
• Ditto, Inclined	0320331	80,00	1		



ARTICULATED ANCHOR

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Made of AISI 304 quality St.steel for Ø 42 mm handrails. Price per piece	03210	121,00		0,602	



END CAP

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• Flexible for Ø 42 mm pipe. Price per piece	03204	12,00			
• Swivel foot pad for Ø 42 mm pipe. Angle can be adjusted by rotating the eye ball socket. Price per piece	03205	25,00			

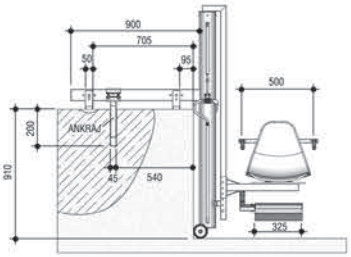
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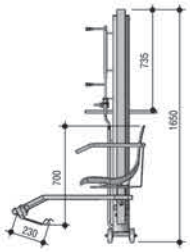
Pool Lift for Disabilities

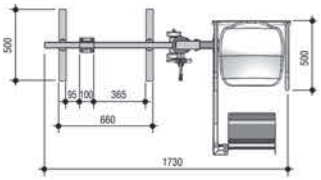
Pool lift for disabilities: Hydraulic lift made of AISI 304 stainless steel. Garden irrigation hose has to be connected to hydraulic lift. Required minimum water pressure is 3,5 kg/cm². User friendly installation and can easily be adapted to existing pool.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pool lift for disabilities	**04101**	**5.400,00**	1		

























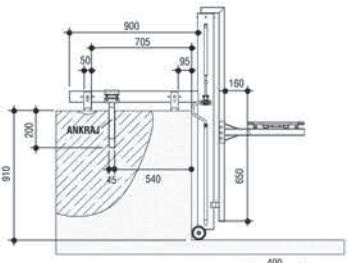
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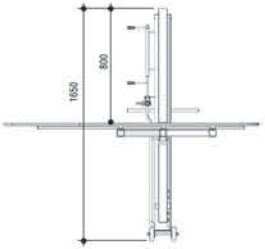
Pool Lift for Disabilities - Stretcher

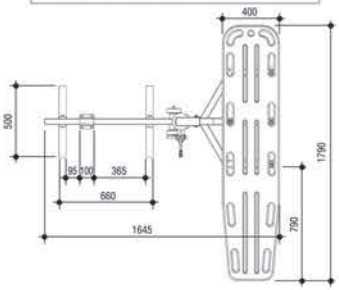


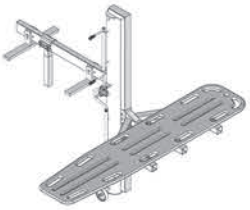
Pool lift for disabilities: Hydraulic lift made of AISI 304 stainless steel. Garden irrigation hose has to be connected to a hydraulic lift. Required minimum water pressure is 3,5 kg/cm². Userfriendly installation and can easily be adapted to an existing pool.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Pool lift for disabilities - Stretcher	**04103**	**5.900,00**	1		























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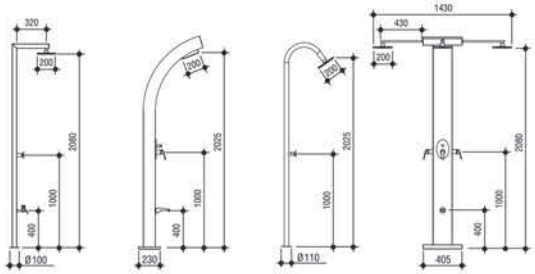
Pool Showers

Shower Tunnels. For public pools, made of AISI 304 stainless steel. Complete with photocell and solenoid valve, associated with control column.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 Shower 1 arch. Width: 1,2 m	**03641**	**1.392,00**	1		
5 Shower 1 arch. Width: 1,2 m	**03642**	**1.472,00**	1		
2 Arched. Each arch has 3 showers	**03643**	**4.058,00**	1		
Width:1,2 m, Lateral acrylic transparent panels, Maximum height: 2,5 m, Lenght: 2,1 m					
Stainless Steel Showers					
Single shower, box profile body	**03645**	**341,00**	1		
Same, also with foot washing tap.	**03645A**	**367,00**	1		
Cobra shower, with foot washing tap.	**03648A**	**1.595,00**	1		
Single head shower, baston type.	**03647**	**253,00**	1		
4 head shower, with foot washing tap.	**03644**	**1.954,00**	1		
Same, with electric heater, hot and cold water mixing possible.	**03656**	**2.488,00**	1		



03643





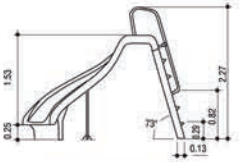
03647 03648A 03645A

Pool Slides

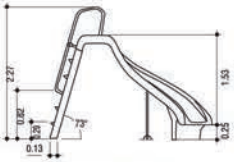
SLIDES. Pool slide made of FRP. Complete with the hose system to connect to the pool supply line. Handles are AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slide, curved to left	**03520**	**1.835,00**	1	83,000	2,913
Slide, curved to right	**03521**	**1.835,00**	1	83,000	2,913

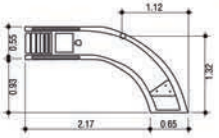




Slide, curved to left



Slide, curved to right



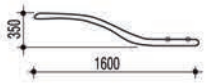
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Diving Boards

S - DIVING BOARD Made in laminated polyester and fiberglass.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 1.60 m Height: 0.35 m	**03410**	**643,00**	1	23,000	0,107

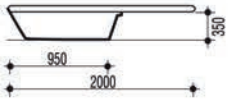




CLASSIC 200 DIVING BOARD Base and board made in laminated polyester and fiberglass.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 2.00 m Height: 0.35 m Width : 0.40 m	**03420**	**695,00**	1	29,000	0,196

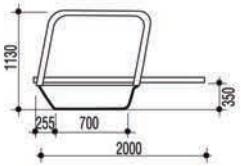




CLASSIC 200 HR DIVING BOARD Base and board made in laminated polyester and fiberglass. Complete with stainless steel handrails.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 2.00 m Height: 0.35 m Width : 0.40 m	**03430**	**1.002,00**	1	39,000	





Stainless Steel Maintenance and Cleaning Chemicals

Complete box set including cleaning sponge and plastic gloves. Can be used for any kind of stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Kit 1, Rust Remover+Protector	**031001**	**33,30**	1		
Kit 2, Rust Remover+Protector+Polisher	**031002**	**50,00**	1		





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Overflow Grating

"MODEL 2018" Overflow Grating

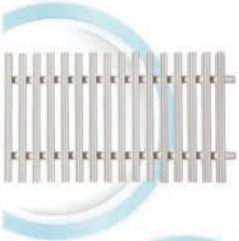
Made of PP plastic; modular with a single joint. "I" shaped profile. Height: 33 mm.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 20 cm (price per meter)	0372232	12,50	5 m		
Width: 25 cm (price per meter)	0372332	15,30	5 m		

MODEL 2001 OVERFLOW GRATING - DOUBLE JOINT

Made of PP plastic; modular with two joints. "I" shaped profile. Height: 25 mm.
Price per meter.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Classical Design Width: 20 cm	0372221	8,34	10 m	13,000	0,062
Classical Design Width: 25 cm	0372321	11,25	10 m	13,000	0,062
Classical Design Width: 30 cm	0372421	16,25	10 m	13,500	

MODEL 2001 OVERFLOW GRATING - SINGLE JOINT

Made of PP plastic; modular with single joint. "I" shaped profile. Height: 25 mm.
Price per meter.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Classical Design Width: 15 cm	0372211	7,20	10 m	11,900	0,044
Classical Design Width: 20 cm	0372212	7,45	10 m	11,500	0,062
Classical Design Width: 25 cm	0372312	11,25	10 m	13,100	0,062

"MODEL GEMAS-FUTURO" OVERFLOW GRATING

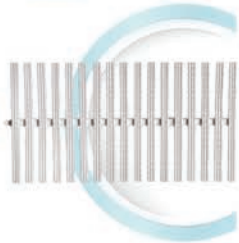
Modular, plastic product. Adaptable to all types of pool shapes. Height: 25 mm.
Price per meter.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Modular Plastic Width: 20 cm	037321K	7,45	10 m	15,400	0,067

"MONOBLOCK" Overflow Grating

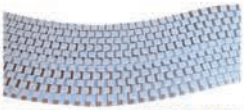
Single Joint. six pieces, "T" shaped plastics, grating height: 22 mm. Price per meter.

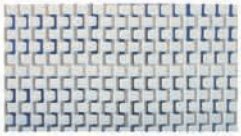


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 20 cm	037321	7,19	10 m	11,700	0,062
Width: 25 cm	037331	10,00	10 m	18,320	0,061

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Overflow Grating

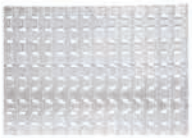


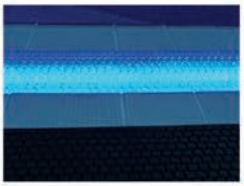


"MODEL GEMAS SQUARE" OVERFLOW GRATING
Plastic modular, single joint. "I" shaped profile. Height: 25 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
RN-150M 1,5 HP, Monophase	**0372212K**	**7,20**	1	14,000	0,051
RN-300M 3,0 HP, Monophase	**0372213K**	**11,00**	1	19,050	0,051

Overflow - For Strip Led Implementation



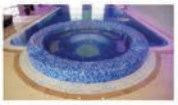


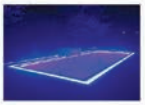
"Model GEMAS - Transparent Squared" Overflow Grating
Made of polycarbonate, modular with single joint. **"I"** shaped profile. Squared upper surface. Height: 25 mm. Designed for strip LED implementation inside the overflow grating channel (It's recommended to use IP68 strip LED)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
RN-150M 1,5 HP, Monophase	**0372212KT**	**29,90**	1	14,000	0,051
RN-300M 3,0 HP, Monophase	**0372213KT**	**43,70**	1	19,050	0,051

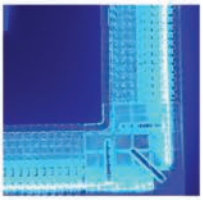








Corner Tiles for Overflow Grating



CORNER TILES 90° PLASTIC.
Corner Tile made of PP plastic for an angle of 90 Degrees.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
25 cm	**037431**	**4,00**	20	9,960	0,048
20 cm	**037421**	**3,00**	25	8,800	0,038
25 cm - Transparent	**037431T**	**13,80**	20		
20 cm - Transparent	**037421T**	**12,70**	25		
15 cm	**037411**	**5,25**	20	4,438	0,019
25 cm	**037434**	**9,00**	20		
20 cm	**037433**	**7,00**	25		
30 cm					



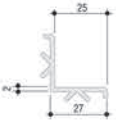
CORNER TILES 45° PLASTIC.
Corner Tile made of PP plastic for an angle of 90 Degrees.

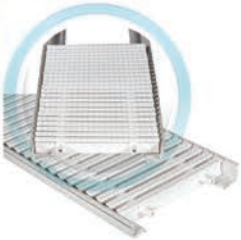
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
25 cm	**037432**	**4,00**	20	6,950	0,042
20 cm	**037422**	**3,00**	20	4,470	0,028
25 cm - Transparent	**037432T**	**13,80**	20		
20 cm - Transparent	**037422T**	**12,70**	20		
15 cm	**037412**	**5,25**	10	1,636	0,008
30 cm					

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Grating Support Profile

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Overflow channel edging profile	**03750**	**3,25**	100 m	18,170	0,051
PVC, 23 x 26 mm (Price per meter)			(2 m x 50)		
Same, 33 x 25 mm (Price per meter)	**03751**	**4,50**	100 m (2 m x 50)		





Stainless Steel Overflow Gratings

Made of AISI 304 quality stainless steel.
Length: 0,50 m monoblock grating. Standard antislip pattern.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 20 cm (price per meter) - 2 pcs.	**0372221SS1**	**P.A.P.**	1		

Standard Pattern



Made of AISI 316 quality stainless steel. Length: 0,50 m monoblock grating.
Standard antislip pattern.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 20 cm (price per meter) - 2 pcs.	**0372221SS2**	**P.A.P.**	1		

Point Pattern



Leather Pattern



NOTE: Prices are for **Standard Pattern.** Prices of **Point and Leather Patterns** are %20 higher.

Stainless Steel Corner Tiles for Overflow Gratings

Corner Tiles, 90° - Stainless Steel

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
20 cm AISI 304 quality	**037421SS1**	**P.A.P.**			
20 cm AISI 316 quality	**037421SS2**	**P.A.P.**			



P.A.P. (Please Ask Price)



Standard Pattern Grating



Leather Pattern Grating



Point Pattern Grating



Grating And Corner Tile Detail

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Strainer for Overflow Gutter Drain



Made in stainless steel adjustable to drain pipes in gutter.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
for Ø 63 mm pipe	03801	26,50	1		
for Ø 75 mm pipe	03802	27,50	1		
for Ø 90 mm pipe	03803	30,50	1		
for Ø 110 mm pipe	03804	47,50	1		
Plastic - for up to Ø 110 mm pipe	03811	8,00	1		



OVERFLOW GUTTER DRAIN.
Made of white ABS plastic. 2 ½" male - threaded, Ø 63 mm inside.
Stainless steel screws included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04150	6,25	50	11,000	0,067

Foot Bath



Foot washing bath, made of fiberglass reinforced polyester, for disinfection of feet before entering pool.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
52,50 x 37,50 x 8,75 cm	03900	73,50	1	1,270	0,021
85,00 x 65,00 x 9,00 cm	03902	129,00	1		
120,00 x 80,00 x 9,00 cm	03901	218,00	1		





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Hatch for Engine Room

Hatch for engine room: Made of FRP, plastic hinged lid complete with steel reinforcements and locking mechanism.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
50 x 50 cm	**03911**	**240,00**	1	7,000	0,040
75 x 75 cm	**03912**	**311,00**	1	14,000	0,080
100 x 100 cm	**03913**	**431,00**	1	19,000	0,140

CODE	Inner Size (cm)	Outer Size (cm)
03911	50 x 50	66 x 66
03912	75 x 75	88 x 88
03913	100 x 100	123 x 123



Inox handle with key lock



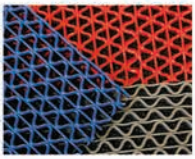


Double piston

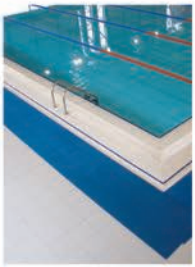
Pool Side Anti Slip MAT

Plastic anti slip MAT for pool decks. Width: 0,9 m. 15 m rolled.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Red. Price per meter	**03011**	**26,50**	1 Roll		
Blue. Price per meter	**03012**	**26,50**	1 Roll		
Green. Price per meter	**03013**	**26,50**	1 Roll		







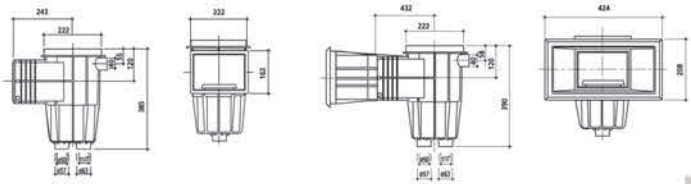


I.T.U. Olympic Pool / Istanbul

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Skimmers for Concrete Pools

All skimmer models are made in ABS plastic and equipped with "suction regulator" and locking mechanism of baskets against back pressure. Skimming by **"buoy float"** or **"floating weir"**.
Suction port: 1 ½" female threaded (2" also possible upon request), Ø 63 mm external slip. Second port: Ø 50 mm female slip. Overflow drainage: Ø 40 mm female slip.





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Standard					
Standard Squared Lid Skimmer	**04111**	**47,00**	1	3,036	0,054
Ditto, W/Floating Weir	**04111FW**	**43,00**	1	2,840	0,054



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Extended Throat (+10 cm)					
Standard Extended	**04111E**	**50,00**	2	6,372	0,107
Ditto, W/Floating Weir	**04111EFW**	**51,00**	2	5,942	0,107



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Wide Mouth					
Wide Mouth Squared Lid Skimmer	**04112**	**57,00**	2	8,000	0,137
Ditto, W/Floating Weir	**04112FW**	**59,00**	2	7,524	0,137

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Lux-Skimmers for Concrete Pools



All Lux-Skimmer models are made of ABS plastic and equipped with "suction regulator". Skimming by **"buoy float"** or **"floating weir"**. Suction port: 2" female threaded. Second port: 1 1/2" female threaded supplied with blind cap. Overflow drainage: Ø 40 mm female slip.

Additional Features:

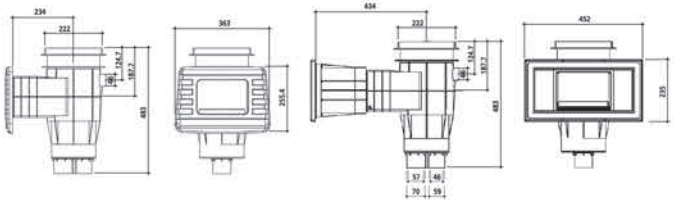
- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction with uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure.
- Locking vacuum adapter prevents adapter plate floating during suction cleaning.
- Extended throat facilitates convenient installation in the pool wall (Optional).
- Aesthetic face plate in the pool.



Locked basket datail



Lockable lid for child protection



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Standard					
Mouth Squared Lid Skimmer	**04121**	**59,00**	2	6,954	0,137
Ditto, W/Floating Weir	**04121FW**	**59,00**	2	6,530	0,137



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Extended Throat (+10 cm)					
Lux Standard Extended	**04121E**	**67,00**	2	4,350	0,108
Ditto, W/Floating Weir	**04121EFW**	**68,00**	2	4,150	0,108



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Wide Mouth					
Lux Wide Mouth Squared Lid Skimmer	**04122**	**81,00**	2	4,610	0,108
Ditto, W/Floating Weir	**04122FW**	**82,00**	2	4,378	0,108

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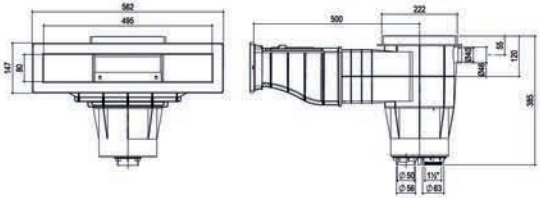


NEW !

Elevated Wide Mouth Skimmers for Concrete Pools

Elevated Skimmer raises the pool water level by 5 cm compared to normal skimmers. All skimmer models are made of ABS plastic. Each model has a "Flow Adjustment Regulator" made of ABS plastic for flow adjustment. Bottom suction connections: 11/2" internal thread and externally bonded, Ø 63 mm. Discharge connection internal Ø 50 mm. Ø 40 mm connection for overflow drain. Complete with flange, stainless screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg
Elevated Standard Wide Mouth Skimmer	**04115FW**	**67,50**	1	
Complete Elev. Std. Wide Skimmer Anthracite - RAL 7016	**04115FWA**	**78,00**	1	
Complete Elev. Std. Wide Skimmer Beige - RAL 1015	**04115FWB**	**78,00**	1	
Complete Elev. Std. Wide Skimmer Gray - RAL 7004	**04115FWG**	**78,00**	1	





Slim wide mouth for high water level



NEW !

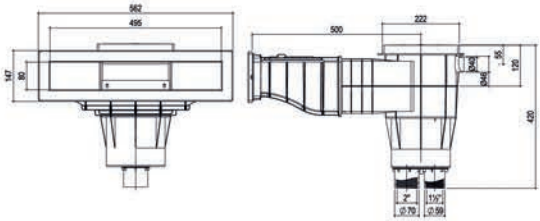
Lux-Elevated Wide Mouth Skimmers for Concrete Pools

All Lux-Skimmer models are made of ABS plastic and equipped with "suction regulator". Skimming by **"buoy float"** or **"floating weir"**. Suction port: 2" female threaded. Second port: 1 1/2" female threaded supplied with blind cap. Overflow drainage: Ø 40 mm female slip.

Additional Features:

- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction with uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure.
- Locking vacuum adapter prevents adapter plate floating during suction cleaning.
- Extended throat facilitates convenient installation in the pool wall (Optional).

Description	Code	List Price Euro	Pieces/ box	Weight Kg
Elevated Standard Wide Mouth Skimmer	**04125FW**	**108,00**	1	
Complete Elev. Lux Wide Skimmer Anthracite - RAL 7016	**04125FWA**	**124,00**	1	
Complete Elev. Lux Wide Skimmer Beige - RAL 1015	**04125FWB**	**124,00**	1	
Complete Elev. Lux Wide Skimmer Gray - RAL 7004	**04125FWG**	**124,00**	1	





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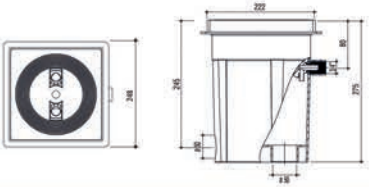




Skimmers - Level Regulator

Automatic Level Regulator. Body is made of ABS plastic. Complete with 3/8" plastic floating valve and Ø 50 mm PVC slip connection, either side or bottom alternatively.





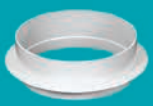
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Automatic Level Regulator	**04120**	**45,00**	1	1,600	0,021
Ditto, with locking decklid	**04120L**	**46,00**	1	1,650	0,021

Skimmers - Optional Parts



Face Plate for Concrete or Liner Standard Skimmer. Made of ABS plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Face Plate Skimmer Standard	**0412102**	**7,30**	1	0,300	0,003
Face Plate Skimmer Anthracite - RAL 7016	**0412102A**	**8,75**	1	0,300	0,003
Face Plate Skimmer Beige - RAL 1015	**0412102B**	**8,75**	1	0,300	0,003
Face Plate Skimmer Gray - RAL 7004	**0412102G**	**8,75**	1	0,300	0,003



Skimmer Extension Collar. Made of ABS plastic for 4,5 cm vertical modular extension.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Skimmer Extension Collar	**04111E01**	**7,30**	1	0,188	0,003
Skimmer Extension Collar Anthracite - RAL 7016	**04111E01A**	**8,75**	1	0,188	0,003
Skimmer Extension Collar Beige - RAL 1015	**04111E01B**	**8,75**	1	0,188	0,003
Skimmer Extension Collar Gray - RAL 7004	**04111E01G**	**8,75**	1	0,188	0,003



Skimmer Horizontal Extension. Made of ABS plastic. Compatible with all GEMAS skimmer models. Extends each model by 10,5 cm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Skimmer Horizontal Extension	**04111E10**	**15,50**	1		

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %10 more expensive.

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Skimmers - Optional Parts

Skimmer Angle Horizontal Extension.
Made of ABS plastic. Compatible with all GEMAS skimmer models. Each model (model s can be added together) provides 30 mm extension in the middle axis and 5° inclined pool surface adaptations designed for polyester and slope pools.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04111E03	15,50	1		

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite. Prices will be %10 more expensive.

Decklid with Safety Locking Mechanism. Made of ABS plastic.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	0412101	7,30	1		

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite. Prices will be %10 more expensive.

Buoy Float. Made of ABS plastic. Complete with the ring.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04110BF	8,30	1	0,364	0,006

PS. Designed for replacing skimmer floating weir. Releases trapped debris when the pump stops.

Return Inlets (Concrete Pools) - ABS

Wall Inlet for Concrete Pools. Injected of white ABS plastic with adjustable ball for alternative discharges.



Breaking tool





Ø 14 mm ball 3 m^3/h
Ø 20 mm ball 5 m^3/h
Ø 25 mm ball 7 m^3/h



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• 2" Male Threaded : Ø 50 mm internal slip connection.	04131T	3,30	10	1,000	0,006
• Unthreaded : 2" Slip to be glued inside Ø 63 mm (10 atm) pipe.	04131S	3,30	10	1,000	0,006
• 1 1/2" Slip to be glued inside Ø 50 mm (10 atm) pipe.	041311S1	3,00			
• Breaking Tool	04131T05	1,20			

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite. Prices will be %10 more expensive.

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Return Inlets (Concrete Pools) - ABS

Wall Inlet for Concrete Pools, according to EU 13451-1/4.8.3 Injected of white ABS plastic with protection and adjustable ball for alternative discharges.

Breaking tool





Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded : Ø 50 mm internal slip connection.	**04131TP**	**3,40**	10	1,100	0,006
•Unthreaded : 2" Slip to be glued inside Ø 63 mm (10 atm) pipe.	**04131SP**	**3,40**	10	1,060	0,006

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite. Prices will be %10 more expensive.

Suction Inlet for Concrete Pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded : Ø 50 mm internal slip connection.	**04134T**	**3,15**	10	0,900	0,006
• Unthreaded : 2" Slip to be glued inside Ø 63 mm (10atm) pipe.	**04134S**	**3,15**	10	0,900	0,006
• Slip to be glued inside Ø 50 mm (10atm) pipe.	**04134S1**	**2,85**			

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite. Prices will be %10 more expensive.

Wall Conduit for Concrete Pools. Injected of white ABS plastic. Pipe connection side is Ø 63 mm externally and Ø 50 mm internally. Overall length is 30 cm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
2" Male Threaded: Pool side 2" Female thr.	**04160T**	**9,00**	20	8,700	0,060
Ditto, with nozzle seat	**04260T1**	**9,30**			
Ditto, back outlet 2" Male threaded	**04160T1**	**9,00**	20	8,700	0,060
Ditto, with Protection plugs	**04160TP**	**9,90**	20	9,200	0,014
Unthreaded: Pool side for slip connection. (i.e same size with internal dia of Ø 63 mm (10atm) PVC pipe.)	**04160S**	**9,00**	20	8,700	0,060

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Return Inlets (Concrete Pools) - ABS

Floor Inlet - Adjustable for Concrete Pools. Injected of white ABS plastic, according to EU 13451-¼.8.3. 2" male threaded, Ø 50 mm internal slip connection. Discharge can be regulated by means of an inner lid which can be screwed up and down.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• Flat Lid - 2" Male Threaded	**04132TF**	**6,00**	8	1,430	0,006
• Flat Lid - Unthreaded: Slip, to be glued inside Ø 63 mm (10 atm) pipe.	**04132SF**	**6,00**	8	1,400	0,006
• Conical Lid - 2" Male Threaded	**04132TC**	**6,00**	8	1,300	0,006
• Conical Lid - Unthreaded: Slip, to be glued inside Ø 63 mm (10 atm) pipe.	**04132SC**	**6,00**	8	1,600	0,006

Floor Inlet - Adjustable (AD) and Constant (CD) Discharge for Concrete Pools. Made of ABS plastic. Distributes water at an angel of 45°. All slip connections are for 10 atm PVC pipes.

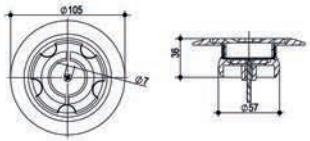
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2" Male Threaded - CD	**04133T**	**3,30**	10	0,930	0,007
Ditto, AD	**04133TA**	**4,65**			
2" Slip - CD	**04133S**	**3,30**	10	0,912	0,007
Ditto, AD	**04133SA**	**4,65**			
1 1/2" Slip - CD	**04133S1**	**3,00**			

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %10 more expensive.

Eccentric Floor Inlet Special inlet nozzle to be installed inside Ø 63-10 bar PVC pipe, for inclined pool bottom.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2" Slip - CD	**041331S**	**4,50**			
2" Slip - AD	**041321S**	**5,85**			

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %10 more expencia.



Overflow Gutter Drain for Concrete Pools. Made of white ABS plastic. 2 ½" male - threaded, Ø 63 mm inside. Stainless steel screws included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04150	**5,20**	50	11,000	0,067

Balance Tank Basket. Made of white ABS plastic. Adjustable up to Ø 125 mm diameter PVC overflow pipes.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04151	**41,50**	1		



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Junction Box

Junction Box. Made of white ABS plastic. Connections are for "05051" conduits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	05040	10,50	8	2,610	0,016

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %10 more expensive.



Main Drains (Concrete Pools) - ABS

Circular Main Drain for Concrete Pools. Made of ABS plastic. Grille fixed w/stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Female Thread	04141T1	13,60	1	0,832	0,013
2" Female Thread	04141T2	13,60	1	0,800	0,013
Ø 50 mm Slip Connection	04141S1	13,60	1	0,802	0,013
Ø 63 mm Slip Connection	04141S2	13,60	1	0,776	0,013
Ø 75 mm Slip Connection	04141S3	13,60	1	0,784	0,013

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %10 more expensive.



Squared Main Drain. Made of white ABS plastic. Grille fixed w/stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• 2" Female Thread	04142T1	26,00	1	1,360	0,013
• Ditto, but with extended thread of 5 cm length facilitating test plug	04142T1E	27,00	1	1,400	0,013
• 2 1/2" Female Thread	04142T2	26,00	1	1,590	0,013
• 3" Female Thread	04143T3	26,00	1	1,520	0,013
• Ø 63 mm Slip Connection	04142S1	26,00	1	1,352	0,013
• Ø 75 mm Slip Connection	04142S2	26,00	1	1,250	0,013
• Ø 90 mm Slip Connection	04142S3	26,00	1	1,346	0,013



Grilles for Main Drain (Concrete Pools) - ABS

Circular Grilles. Made of ABS Plastic Circular Grille Ø 186-242 mm.
Complete with stainless steel screws necessary to fix the frame on concrete.
Max. recommended drain pipe size: Ø 63 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04143C	9,20	1	0,376	0,003

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %15 more expensive.

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Grilles for Main Drain (Concrete Pools) - ABS

Squared Grilles for Main Drain for Concrete Pools. Made of ABS Plastic Squared Grille 26,5 x 26,5 cm.Complete with fixing screws.
Max. recommended drain pipe size: Ø 90 mm.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04143R1	**19,00**	1	0,954	0,003

Note: Full colored products can be ordered by adding "G" for Grey, "B" for Beige, "A" for Anthracite.
Prices will be %15 more expensive.

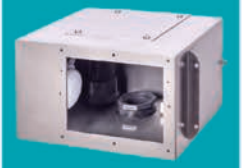
Squared Grilles for Main Drain for Concrete Pools. Fiberglass reinforced polyester frame with ext. dimensions of 60 x 60 cm complete with fixing screws. Max. recommended drain pipe size : Ø 225 mm.

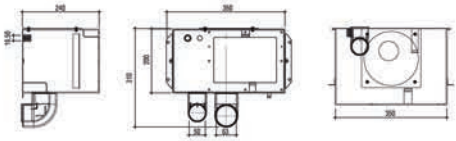


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04143R2	**194,00**	1	4,200	0,015

St. Steel Skimmers for Concrete Pools

Stainless Steel Skimmer Body - Model 1. Made of AISI 304 quality stainless steel. Ø 50 mm overflow. Skimming width: 190 mm, installation depth: 240 mm. Suction: Ø 63 mm PVC. Floater installation option for water level regulation. Earth connection included. Complete with skimmer strainer basket 04111SS01 and level adjustable lid 04111SS02.

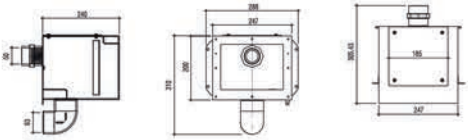




Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 1	**04112SS**	**924,00**	1	6,510	0,040
Ditto, with Floater	**04112SSF**	**936,00**	1	6,710	0,040

Stainless Steel Skimmer Body for Concrete Pool - Model 2. Made of AISI 304 quality stainless steel. Ø 50 mm overflow. Skimming width: 190 mm, installation depth: 240 mm. Suction: Ø 63 mm PVC. Earth connection included. Complete with skimmer strainer basket 04111SS01 and level adjustable lid 04111SS02.





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 2	**04111SS**	**787,00**	1	5,250	0,040

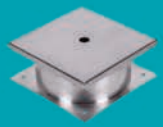
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St. Steel Skimmers for Concrete Pools

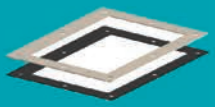
Stainless Steel Skimmer Strainer Basket for Concrete Pools. Made of AISI 304 quality stainless Steel Complete with face plate for direct removal through skimmer mouth. (Applicable to Model 1 and Model 2).

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04111SS01	432,00	1	2,190	0,020



Stainless Steel Level Adjustable Lid for Concrete Pools. Made of AISI 304 Stainless steel Dimensions:180 x 180 mm. Height level can be adjustable from 60 to 110 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04111SS02	432,00	1	1,630	0,010



Stainless Steel Skimmer Flange Set for Liner Pools. Made of AISI 304 Stainless steel. Complete with 2 gaskets and bolts.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04211SS01	180,00	1	0,780	0,002

Massive Inox Inlets









Full Body made of Stainless Steel. Ball for wall inlet is from transparent polycarbonate. SS ball is optional. Floor inlets are either adjustable (AD) or constant discharge (CD) types.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
304 Wall Inlet 2" Threaded	04131TSSM	99,00	1		
304 Suction Inlet 2" Threaded	04134TSSM	80,00	1		
304 Floor Inlet - CD 2" Threaded	04133TSSM	120,00	1		
304 Floor Inlet - AD 2" Threaded	04135TSSM	150,00	1		
316 Return Inlet 2" Threaded	04131TSSM01	115,00	1		
316 Suction Inlet 2" Threaded	04134TSSM01	99,00	1		
316 Floor Inlet - CD 2" Threaded	04133TSSM01	144,00	1		
316 Floor Inlet - AD 2" Threaded	04135TSSM01	180,00	1		

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Wall Inlet (Concrete Pools) - Stainless Steel Dressed

Stainless Steel Wall Inlet for Concrete Pools. Body is injected of white ABS plastic dressed with AISI 304 quality stainless steel plate. The butterfly of nozzle is made of massive stainless steel and the sphere is of acrylic transparent plastic with adjustable ball for alternative discharges.

Breaking tool





Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded : Ø 50 mm internal slip connection	04131TSS	96,00	10	2,400	0,006
• 2"- Unthreaded	04131SSS	96,00			





Stainless Steel Suction Inlet for Concrete Pools.
Body is injected of white ABS plastic dressed with AISI 304 quality stainless steel plate. The blind cap is made of massive stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded : Ø 50 mm internal slip connection.	04134TSS	103,00	10	3,572	0,007
• 2"- Unthreaded	04134SSS	103,00			





Floor Inlet with Chrome Painted Stainless Steel Lid - Flow Adjustable.
Flat lid of AISI 304 quality stainless steel. Body in ABS plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• Flad Lid - 2" Male Threaded : Flat Lid AISI 304 Quality St.Steel	04132TFSS	91,00	8	2,200	0,006
• 2"- Unthreaded	04132SFSS	91,00			



Stainless Steel Floor Inlet - Constant Flow.
Stainless Steel Floor Inlet - Constant Flow. Body in ABS plastic, front face is dressed with AISI 304 quality stainless steel sheet. The central part is solid AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded internal dia: Ø 50 mm 10	04133TSS	91,00	8	2,400	0,007
• 2"- Unthreaded	04133SSS	91,00			



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Main Drains (Concrete Pools) - St. Steel



Circular Main Drain with St. Steel Grille for Concrete Pools. Body made of ABS plastic. Stainless steel grille fixed w/st. steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Female Thread	04141T1SS	135,00	1	1,120	0,013
2" Female Thread	04141T2SS	135,00	1	0,830	0,013

Grilles for Main Drain (Concrete Pools) - St. Steel



Stainless steel circular grilles. Made of AISI 304 quality stainless steel with stainless steel screws Ø 186 - 242 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Circular Grille	04143SS	110,00	1	0,258	0,003

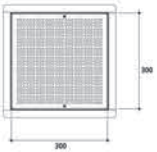






St. Steel Squared Grilles for Main Drain for Concrete Pools. Frame and grille made of AISI 304 quality stainless steel complete with fixing screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
200 x 200 mm (out)	04143RSS1	146,00	1		
300 x 300 mm (out)	04143RSS2	186,00	1		
400 x 400 mm (out)	04143RSS3	239,00	1		
500 x 500 mm (out)	04143RSS4	293,00	1		
600 x 600 mm (out)	04143RSS5	342,00	1		



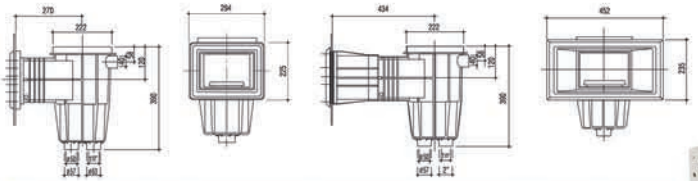


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Skimmers for Liner Pools



All skimmer models are made of ABS plastic and equipped with "discharge regulator" and locking mechanism basket against back pressure. Skimming by **"buoy float"** or **"floating weir"**. Suction port: 1 1/2" female threaded (2" also possible upon request), Ø 63 mm external slip. Discharge port: Ø 50 mm female slip. Overflow drainage: Ø 40 mm female slip. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Standard Throat					
• Standard Squared Lid Skimmer	**04211**	**69,00**	1	4,104	0,054
• Ditto, W/Brass Cavities	**04211B**	**75,00**	1	4,142	0,054
• Standard Squared Lid Skimmer W/Floating Weir	**04211FW**	**69,00**	1	3,820	0,054
• Ditto, W/Brass Cavities	**04211BFW**	**76,00**	1	3,986	0,054



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Extension Throat (+ 10 cm)					
• Standard Squared Lid Skimmer	**04211E**	**77,00**	2	8,504	0,107
• Ditto, W/Brass Cavities	**04211EB**	**84,00**	2	8,600	0,107
• Standard Squared Lid Skimmer W/Floating Weir	**04211EFW**	**77,00**	2	8,070	0,107
• Ditto, W/Brass Cavities	**04211EBFW**	**84,00**	2	8,160	0,107



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Wide Mouth					
• Wide Mouth Squared Lid Skimmer	**04212**	**78,00**	2	9,430	0,135
• Ditto, W/Brass Cavities	**04212B**	**87,00**	2	9,678	0,135
• Wide Mouth Squared Lid Skimmer W/Floating Weir	**04212FW**	**80,00**	2	9,012	0,135
• Ditto, W/Brass Cavities	**04212BFW**	**86,00**	2	9,112	0,135

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Lux Skimmers for Liner Pools



All Lux-Skimmer models are made of ABS plastic and equipped with "discharge regulator". Skimming by **"buoy float"** or **"floating weir"**. Suction port: 2" female threaded. Discharge port: 1 ½" female threaded, supplied with blind cap. Overflow drainage: Ø 40 mm female slip. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

Additional Features:

- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction of uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure.
- Extended throat facilitates convenient installation in the pool wall. (Optional)
- Aesthetic face plate in the pool.



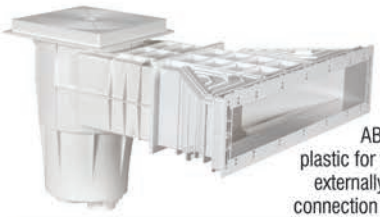
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Standard Throat					
• Lux Standard Squared Lid Skimmer	**04221**	**77,00**	2	9,150	0,137
• Ditto, W/Brass Cavities	**04221B**	**83,00**	2	9,400	0,137
• Lux Standard Squared Lid Skimmer W/Floating Weir	**04221FW**	**78,00**	2	8,720	0,137
• Ditto, W/Brass Cavities	**04221BFW**	**85,00**	2	8,890	0,137

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Extension Throat (+ 10 cm)					
• Lux Standard Squared Lid Skimmer	**04221E**	**87,00**	1	5,600	0,110
• Ditto, W/Brass Cavities	**04221EB**	**91,00**	1	5,700	0,110
• Lux Standard Squared Lid Skimmer W/Floating Weir	**04221EFW**	**86,00**	1	4,350	0,110
• Ditto, W/Brass Cavities	**04221EBFW**	**93,00**	1	4,500	0,110



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lux Wide Mouth					
• Lux Wide Mouth Squared Lid Skimmer	**04222**	**88,00**	1	5,296	0,110
• Ditto, W/Brass Cavities	**04222B**	**93,00**	1	5,525	0,110
• Lux Wide Mouth Squared Lid Skimmer W/Floating Weir	**04222FW**	**88,00**	1	5,250	0,110
• Ditto, W/Brass Cavities	**04222BFW**	**95,00**	1	5,370	0,110

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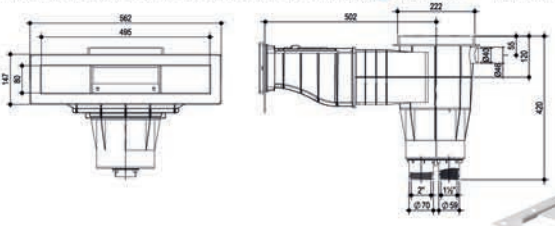
NEW !

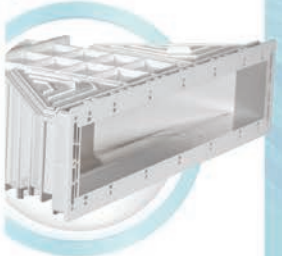
Elevated Wide Mouth Skimmers for Liner Pools

Elevated Skimmer raises the pool water level by 5 cm compared to normal skimmers. All skimmer models are made of ABS plastic. Each model has a "Flow Adjustment Regulator" made of ABS plastic for flow adjustment. Bottom suction connections: 11/2" internal thread and externally bonded, Ø 63 mm. Discharge connection internal Ø 50 mm. Ø 40 mm connection for overflow drain. Complete with flange, gaskets and stainless screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg
Liner Pools with brass cavities	**04215BFW**	**99,00**	1	
Liner Pools wout brass cavities	**04215FW**	**91,80**	1	

Note: Full colored products can be ordered by adding "A" for Anthracite, "B" for Beige, "G" for Grey.
Prices will be %15 more expensive. See below RAL codes. RAL 7016 RAL 1015 RAL 7004





Slim wide mouth for high water level



Liner Flange, Gasket ans Screws



NEW !

Lux-Elevated Wide Mounth Skimmers for Liner Pools

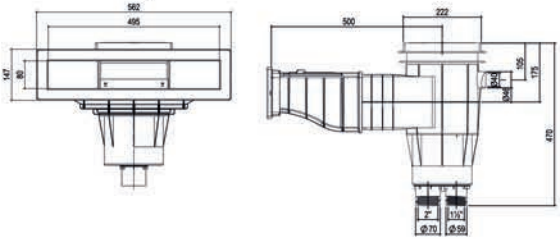
All Lux-Skimmer models are made of ABS plastic and equipped with "suction regulator". Skimming by **"buoy float"** or **"floating weir"**. Suction port: 2" female threaded. Second port: 1 1/2" female threaded supplied with blind cap. Overflow drainage: Ø 40 mm female slip. Complete with flange, gaskets and stainless screws.

Additional Features:

- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction with uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure.
- Locking vacuum adapter prevents adapter plate floating during suction cleaning.
- Extended throat facilitates convenient installation in the pool wall (Optional).

Description	Code	List Price Euro	Pieces/ box	Weight Kg
Liner Pools with brass cavities	**04225BFW**	**108,90**	1	
Liner Pools wout brass cavities	**04225FW**	**101,70**	1	

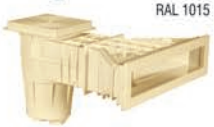
Note: Full colored products can be ordered by adding "A" for Anthracite, "B" for Beige, "G" for Grey.
Prices will be %15 more expensive. See RAL codes aside.



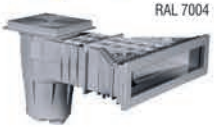
RAL 7016



RAL 1015



RAL 7004



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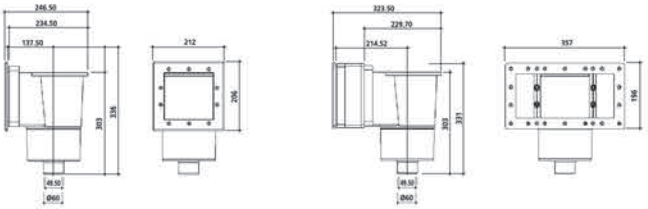




Mini Skimmers for Liner Pools

All Skimmer models are made of ABS plastic. Suction port: Female threaded 1 1/2". Complete with vacuum adaptor, flange, gaskets and stainless steel screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Standard Mouth Square Lid Skimmer	**04213**	**61,00**	8	19,500	
Wide Mouth Square Lid Skimmer	**04214**	**98,00**	8	27,500	



Return Inlets (Liner Pools) - ABS

Wall Inlet for Liner Pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.



Breaking tool





Ø 14 mm ball 3 m^3/h
Ø 20 mm ball 5 m^3/h
Ø 25 mm ball 7 m^3/h

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• 2" Male threaded : Ø 50 internal slip connection.	**04231T**	**9,00**	8	1,520	0,006
• Ditto, W/Brass Cavities	**04231BT**	**12,20**	8	1,682	0,006
• 2" Male threaded : Also 2" nut included	**04231TN**	**11,30**		1,800	0,006
• Ditto, W/Brass Cavities	**04231BTN**	**15,20**	8	1,934	0,006
• Breaking Tool	**04131T05**	**1,20**			

Wall Inlet for Liner Pools.
According to EU 13451-1/4.8.3 Injected of white ABS plastic with protection and adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.



Breaking tool





Ø 14 mm ball 3 m^3/h
Ø 20 mm ball 5 m^3/h
Ø 25 mm ball 7 m^3/h

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• 2" Male threaded : Ø 50 internal slip connection.	**04231TP**	**9,10**	8	1,460	0,007
• Ditto, W/Brass Cavities	**04231BTP**	**12,15**	8	1,508	0,007
• 2" Male threaded : Also 2" nut included	**04231TNP**	**11,20**	8	1,750	0,007
• Ditto, W/Brass Cavities	**04231BTNP**	**15,20**	8	1,806	0,007

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Return Inlets (Liner Pools) - ABS

Wall Conduit-Inlet.
Specially designed for concrete-shell liner pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

Breaking tool





Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
2" Male threaded : Ø 50 internal slip con.	04231C	16,10	8	1,676	0,006
Ditto, W/Brass Cavities	04231CB	18,60	8	1,718	0,006



Wall Conduit-Inlet for Liner Pools. Specially designed for concrete-shell liner pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws, front cover and back locking nut. Flange connections can be with brass cavities or plastic nests.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male threaded : Ø 50 internal slip connection.	04231CT	26,90	8		
• Ditto, W/Brass Cavities	04231CNB	30,00	8		



Suction Inlet for Liner Pools,
injected of white ABS plastic. Complete with blind cap, flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
• 2" Male Threaded : Injected of white ABS plastic.	04234T	8,00	8	1,500	0,006
• Ditto, W/Brass Cavities	04234TB	11,20	8	1,600	0,006
• 2" Male Threaded : Injected of white ABS plastic. Also 2" nut included.	04234TN	10,40	8	1,520	0,006
• Ditto, W/Brass Cavities	04234TNB	13,50	8	1,732	0,006



Floor Inlet - Adjustable for liner pools.
White ABS plastic, according to EU 13451-174.8.3 regulations. 2" male threaded, Ø 50 mm internal slip connection. Adjustable flow. Complete with flange gaskets and stainless steel screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Flat Lid - 2 " Male Threaded	04232TF	16,20	4	1,270	0,007
Ditto, W/Brass Cavities	04232TFB	19,00	4	1,270	0,007
Conycal Lid - 2" Male Threaded	04232TC	16,20	4	1,340	0,007
Ditto, W/Brass Cavities	04232TCB	19,20	4	1,308	0,007



Clamping nut, 2".
White ABS plastic. 2" Femals threaded.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Nut with gasket for wall inlets	04237	2,60	35	1,474	0,006
Ditto, W/Screw Housings	042371	2,60			



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Main Drains for Liner Pools

Circular Main Drain. Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets. **Flange height:** 17,20 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Female Thread	**04241T1**	**23,00**	1	1,740	0,013
Ditto, W/Brass Cavities	**04241T1B**	**25,00**	1	1,130	0,013
2" Female Thread	**04241T2**	**23,00**	1	1,134	0,013
Ditto, W/Brass Cavities	**04241T2B**	**25,00**	1	1,572	0,013



Circular Main Drain.
Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets. Flange height: 6,35 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Thread	**04243T1**	**23,00**	1	1,034	0,013
Ditto, W/Brass Cavities	**04243T1B**	**25,00**	1	1,034	0,013
2" Thread	**04243T2**	**25,00**	1	1,072	0,013
Ditto, W/Brass Cavities	**04243T2B**	**25,00**	1	1,072	0,013



Squared Main Drain.
Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• 2" Female Thread	**04242T1**	**32,00**	1	1,600	0,013
• Ditto, but with extended threaded	**04242T1E**	**34,00**	1	1,600	0,013
of 5 cm length facilitating test plug					
• Ditto, W/Brass Cavities	**04242T1EB**	**38,00**	1	1,600	0,013
• 2 1/2" Female Thread	**04242T2**	**32,00**	1	1,606	0,013
• Ditto, W/Brass Cavities	**04242T2B**	**36,00**	1	1,606	0,013
• 3" Female Thread	**04242T3**	**32,00**	1	1,606	0,013
• Ditto, W/Brass Cavities	**04242T3B**	**36,00**	1	1,606	0,013
• Ø 63 mm Slip Connection	**04242A1**	**32,00**	1	1,600	0,013
• Ditto, W/Brass Cavities	**04242A1B**	**36,00**	1	1,570	0,013
• Ø 75 mm Slip Connection	**04242A2**	**32,00**	1	1,570	0,013
• Ditto, W/Brass Cavities	**04242A2B**	**36,00**	1	1,570	0,013
• Ø 90 mm Slip Connection	**04242A3**	**32,00**	1	1,570	0,013
• Ditto, W/Brass Cavities	**04242A3B**	**36,00**	1	1,570	0,013

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POOL EQUIPMENT



05	Electrical Equipment	125
06	Disinfection Systems	174

Underwater Lights for Concrete Pools

New Generation



"SlimLED" Underwater Light without Niche, Resin Filled, Single Color.
Frame made of ABS Plastic. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **Max. operating temperature 30°.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	**051140**	**154,00**	1	1,050	0,005
252 LED Daylight - 50 W	**051141**	**154,00**	1	1,050	0,005
81 LED White - 35 W	**051130**	**121,00**	1	1,050	0,005
81 LED Daylight - 35 W	**051131**	**121,00**	1	1,050	0,005

Note: Other Single Color prices are the same. The last digit of the product code should be changed to the following - for Turquoise 2, for Blue 3, for Red 4, for Green 5.



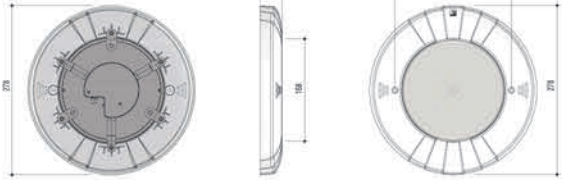
"SlimLED" Underwater Light without Niche, Resin Filled, RGB Changing Color.
"SlimLED" Underwater Light without Niche, Resin Filled, RGB Changing Color. Frame made of ABS Plastic. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. 120° - IP68. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **Max. operating temperature 30°.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Central Control					
252 LED RGB, 36 W	**051155**	**158,00**	1	1,050	0,005
90 LED RGB-White, 36 W	**051152**	**158,00**	1	1,050	0,005
81 LED RGB, 30 W	**051157**	**127,00**	1	1,050	0,005
Built-in Control					
252 LED RGB, 36 W	**051153**	**194,00**	1	1,050	0,005
90 LED RGB-White, 36 W	**051150**	**194,00**	1	1,050	0,005
81 LED RGB, 30 W	**051156**	**177,00**	1	1,050	0,005



Optional Wall Mounting Apparatus



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"New Generation"

2 years Parts WARRANTY

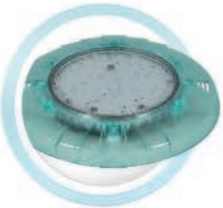
Underwater Lights for Concrete Pools

"ECOSlimLED" Underwater Light without Niche, Single Color. Frame made of ABS or Transparent Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1,5 m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **For the transparent ABS frame, O should be erased from the end of the below product codes.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 24 W	051130EO	52,00	1	0,835	0,005
72 LED Daylight - 24 W	051131EO	52,00	1	0,835	0,005
72 LED Turquoise - 20 W	051132EO	56,00	1	0,835	0,005
72 LED Blue - 20 W	051133EO	56,00	1	0,835	0,005
72 LED Red - 20 W	051134EO	56,00	1	0,835	0,005
72 LED Green - 20 W	051135EO	56,00	1	0,835	0,005
Optional Wall Mounting Apparatus	051130EY01	7,50	1		



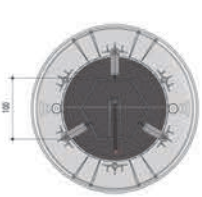
"ECOSlimLED" Underwater Light without Niche, RGB Changing Color. Frame made of ABS or Transparent Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75mm cable of 1,5 m length. 120° - IP68. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **For the white ABS frame, O should be added to the end of the below product codes.**



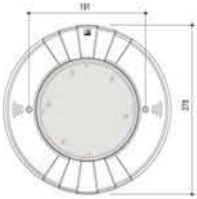
Transparent (Optional)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB-Built-in Control-20 W	051150EO	98,00	1	0,835	0,005
72 LED RGB-Central Control-20 W	051152EO	58,00	1	0,835	0,005
72 LED RGB-Self Control	051150EOSC	124,00	1	0,835	0,005
Optional Wall Mounting Apparatus	051130EY01	7,50	1	0,835	0,005











Optional Wall Mounting Apparatus

"Flat Halogen" Underwater Light Without Niche. Made of white ABS plastic. Light screen in transparent polycarbonate. Supplied with 100 W/12 V bulb and 2,5 m cable. Cable socket is resin filled with epoxy for protection against water leakage.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light	051116	39,00	1	1,200	0,005



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Underwater Lights for Concrete Pools

New Generation

NEW !



2 years Parts WARRANTY

CE

"MAXI-Clicker"
Underwater light without niche. Single color frome made of ABS Plastic or Stainless Steel complete with 72 SMD LED. Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1.5 m length. 120° - IP68 Wall mounting is done by fixing directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 35 W	**051230**	**104,00**	1		
72 LED Daylight - 35 W	**051231**	**104,00**	1		
72 LED Turquoise - 30 W	**051232**	**104,00**	1		
72 LED Blue - 30 W	**051233**	**104,00**	1		
72 LED Red - 30 W	**051234**	**104,00**	1		
72 LED Green - 30 W	**051235**	**104,00**	1		
72 LED White - 24 W	**0512301**	**94,00**	1		
72 LED Daylight - 24 W	**0512311**	**94,00**	1		
72 LED Turquoise - 20 W	**0512321**	**94,00**	1		
72 LED Blue - 20 W	**0512331**	**94,00**	1		
72 LED Red - 20 W	**0512341**	**94,00**	1		
72 LED Green - 20 W	**0512351**	**94,00**	1		



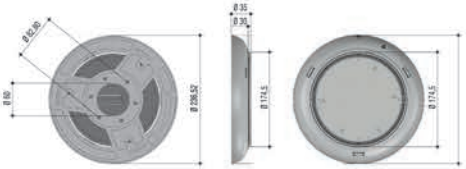
Patented Bayonet "Click" System

"MAXI-Clicker" Underwater Light without Niche, RGB Changing Color.
Single color frome made of ABS Plastic or Stenless Steel complete with 72 SMD LED. Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1.5 m length. 120° - IP68 Wall mounting is done by fixing directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control - 30 W	**051236**	**120,00**	1		
72 LED RGB - Center Control - 30 W	**051237**	**104,00**	1		
72 LED RGB - Built-in Control - 20 W	**0512361**	**106,00**	1		
72 LED RGB - Center Control - 20 W	**0512371**	**90,00**	1		



Rear View



RAL 7016

RAL 1015

RAL 7004



"MAXI-Clicker" Underwater Light Colored Frame
Made of ABS. Different Color options can be adapted to all Maxi-Clicker Models. Stainless Steel Frame is coupled with Anthracite colored frame.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Anthracite - RAL 7016	**05120001A**	**15,00**	1		
Beige - RAL 1015	**05120001B**	**15,00**	1		
Gray - RAL 7004	**05120001G**	**15,00**	1		
Stainless Steel 304 with Anthracite	**051230SS01**	**65,00**	1		

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

New Generation

Underwater Lights for Concrete Pools



2 years Parts WARRANTY

"MIDI-Clicker" Underwater Light without Niche, Single Color. Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 11 W	**051160E**	**46,00**	1		
72 LED Daylight - 11 W	**051161E**	**46,00**	1		
72 LED Turquoise - 8 W	**051162E**	**51,00**	1		
72 LED Blue - 8 W	**051163E**	**51,00**	1		
72 LED Red - 8 W	**051164E**	**51,00**	1		
72 LED Green - 8 W	**051165E**	**51,00**	1		



Patented Bayonet "Click" System

"MIDI-Clicker" Underwater Light without Niche, RGB Changing Color. Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control -8 W	**051170E**	**88,00**	1		
72 LED RGB - Central Control -8 W	**051171E**	**51,00**	1		



Rear View





Wall Mounting Apparatus

Cable Conduit for Surface Mounted Lights

"Sealed Cable-Concrete Transition" Made of ABS. Complete with seal nut suitable for 2 x 0,75 mm cable passage, gasket, union and 2 stainless steel fixing screws. **Can be used with all surface mounted pool lights for concrete pools.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	0511175	**39,00**	1	1,882	0,016

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Underwater Lights for Concrete Pools

"New Generation"



2 years Parts WARRANTY

"MINI-Clicker" Underwater Light without Niche, Single Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **This product is patented.**



Patented Bayonet "Click" System

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED White - 6 W	**051180**	**45,00**	1		
36 LED Daylight - 6 W	**051181**	**45,00**	1		
36 LED Turquoise - 4 W	**051182**	**49,00**	1		
36 LED Blue - 4 W	**051183**	**49,00**	1		
36 LED Red - 4 W	**051184**	**49,00**	1		
36 LED Green - 4 W	**051185**	**49,00**	1		

"MINI-Clicker" Underwater Light without Niche, RGB Changing Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **This product is patented.**

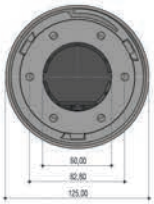
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED RGB-Built-in Control -4 W	**051190**	**83,00**	1		
36 LED RGB-Central Control -4 W	**051191**	**51,00**	1		



Rear View



Wall Mounting Apparatus







We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

AISI 304/316



Underwater Lights for Concrete Pools - St. Steel

"SlimLED-INOX" Underwater Light without Niche, Resin Filled, Single Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. A single screw then attaches the light to the apparatus making it easy to lift the light out of the pool. **2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes below and 20% should be added to the price. Max. operating temperature 30°.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	051140SS	274,00	1	1,100	0,005
252 LED Daylight - 50 W	051141SS	274,00	1	1,100	0,005
252 LED Turquoise - 36 W	051142SS	277,00	1	1,100	0,005
252 LED Blue - 36 W	051143SS	277,00	1	1,100	0,005
252 LED Red - 36 W	051144SS	277,00	1	1,100	0,005
252 LED Green - 36 W	051145SS	277,00	1	1,100	0,005



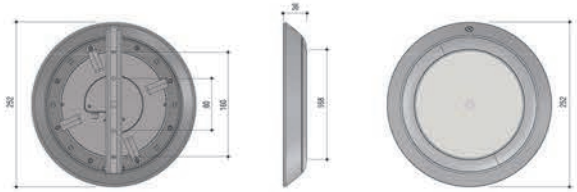
"SlimLED-INOX" Underwater Light without Niche, Resin Filled, RGB Changing Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. A single screw then attaches the light to the apparatus making it easy to lift the light out of the pool. **2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes and 20% should be added to the prices below. Max. operating temperature 30°.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED RGB, 36 W - Built-in Control	051153SS	313,00	1	1,100	0,005
252 LED RGB, 36 W - Centrally Control	051155SS	276,00	1	1,100	0,005

Note: For RGB 81 LED and RGB 90 LED options with stainless steel frame, please add SS to the end of the product codes on page 122 and ask for price.



Fixing with Top Screw





Rear View

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

Underwater Lights for Concrete Pools - St. Steel

New Generation

AISI 304/316



2 years Parts WARRANTY

CE

"SlimLED-INOXCLICK" Underwater Light without Niche, Resin Filled, Single Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. After the excess cable is wrapped, the light frame is easily slotted onto the mounting apparatus (no screw required). This allows for very easy removal of the light out of the pool. **2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes below and 20% should be added to the price. Max. operating temperature 30°.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	**051140SSC**	**272,00**	1	1,100	0,005
252 LED Daylight - 50 W	**051141SSC**	**272,00**	1	1,100	0,005
252 LED Turquoise - 36 W	**051142SSC**	**279,00**	1	1,100	0,005
252 LED Blue - 36 W	**051143SSC**	**279,00**	1	1,100	0,005
252 LED Red - 36 W	**051144SSC**	**279,00**	1	1,100	0,005
252 LED Green - 36 W	**051145SSC**	**279,00**	1	1,100	0,005



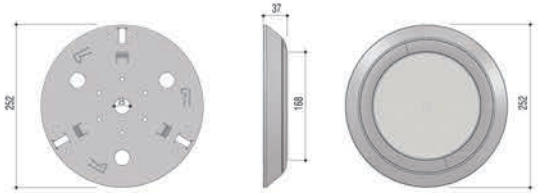
"SlimLED-INOXCLICK" Underwater Light without Niche, Resin Filled, RGB Changing Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. After the excess cable is wrapped, the light frame is easily slotted onto the mounting apparatus (no screw required). This allows for very easy removal of the light out of the pool. **2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes and 20% should be added to the prices below.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED RGB, 35 W - Built-in Control	**051153SSC**	**314,00**	1	1,100	0,005
252 LED RGB, 35 W - Centrally Control	**051155SSC**	**274,00**	1	1,100	0,005

Note: For "INOXCLICK" in RGB 81 LED and RGB 90 LED please add SSC to the end of the product codes on page 122 and ask for price.



Wall Mounting Apparatus



We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

AISI 304/316



Underwater Lights for Concrete Pools - St. Steel

"MAXI-Clicker"

Underwater light without niche. Single color frame made of Stainless Steel complete with 72 SMD LED. Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1.5 m length. 120° - IP68 Wall mounting is done by fixing directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market.

This product is patented.

For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20 % should be added to the price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 35 W	**051230SS**	**162,00**	1		
72 LED Daylight - 35 W	**051231SS**	**162,00**	1		
72 LED Turquoise - 30 W	**051232SS**	**162,00**	1		
72 LED Blue - 30 W	**051233SS**	**162,00**	1		
72 LED Red - 30 W	**051234SS**	**162,00**	1		
72 LED Green - 30 W	**051235SS**	**162,00**	1		
72 LED White - 24 W	**0512301SS**	**152,00**	1		
72 LED Daylight - 24 W	**0512311SS**	**152,00**	1		
72 LED Turquoise - 20 W	**0512321SS**	**152,00**	1		
72 LED Blue - 20 W	**0512331SS**	**152,00**	1		
72 LED Red - 20 W	**0512341SS**	**152,00**	1		
72 LED Green - 20 W	**0512351SS**	**152,00**	1		



"MAXI-Clicker" Underwater Light without Niche, RGB Changing Color.

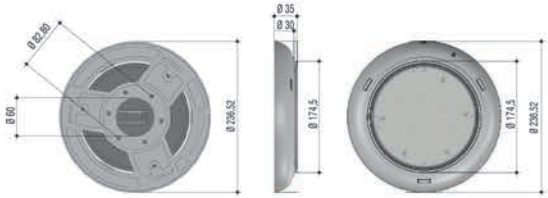
Single color frome made of ABS Plastic or Stenless Steel complete with 72 SMD LED. Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1.5 m length. 120° - IP68 Wall mounting is done by fixing directly onto the pool wall with stainless steel screws and plugs. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market.

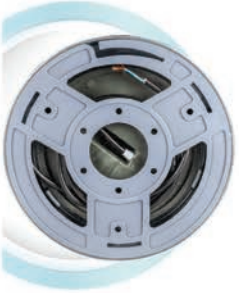
This product is patented.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control - 30 W	**051236SS**	**178,00**	1		
72 LED RGB - Center Control - 30 W	**051237SS**	**162,00**	1		
72 LED RGB - Built-in Control - 20 W	**0512361SS**	**164,00**	1		
72 LED RGB - Center Control - 20 W	**0512371SS**	**148,00**	1		



Patented Bayonet "Click" System





Rear View

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Underwater Lights for Concrete Pools - St. Steel

"New Generation"

AISI 304/316



"MIDI-Clicker-INOX" Underwater Light without Niche, Single Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length. 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20 % should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 11 W	051160ESS	101,00	1		
72 LED Daylight - 11 W	051161ESS	101,00	1		
72 LED Turquoise - 8 W	051162ESS	106,00	1		
72 LED Blue - 8 W	051163ESS	106,00	1		
72 LED Red - 8 W	051164ESS	106,00	1		
72 LED Green - 8 W	051165ESS	106,00	1		





Patented Bayonet "Click" System

"MIDI-Clicker" Underwater Light without Niche, RGB Changing Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control -8 W	051170ESS	144,00	1		
72 LED RGB - Central Control -8 W	051171ESS	107,00	1		



Rear View



Wall Mounting Apparatus



We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

AISI 304/316

New Generation

Underwater Lights for Concrete Pools - AISI 304 St. Steel



"MINI-Clicker-INOX" Underwater Light without Niche, Single Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length. 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED White - 6 W	051180SS	97,00	1		
36 LED Daylight - 6 W	051181SS	97,00	1		
36 LED Turquoise - 4 W	051182SS	101,00	1		
36 LED Blue - 4 W	051183SS	101,00	1		
36 LED Red - 4 W	051184SS	101,00	1		
36 LED Green - 4 W	051185SS	101,00	1		

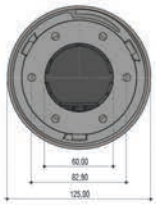


"MINI-Clicker" Underwater Light without Niche, RGB Changing Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

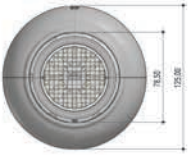
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED RGB-Built-in Control -4 W	051190SS	132,00	1		
36 LED RGB-Central Control -4 W	051191SS	102,00	1		



Patented Bayonet "Click" System









Rear View



Wall Mounting Apparatus

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

Underwater Lights for Liner Pools

"New Generation"

2 years Parts WARRANTY



"SlimLED" Underwater Light without Niche, Resin Filled, Single Color.
Frame made of ABS Plastic. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **Max. operatig temperature 30°.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	**052140**	**166,00**	1	0,835	0,005
252 LED Daylight - 50 W	**052141**	**166,00**	1	0,835	0,005
81 LED White - 35 W	**052130**	**134,00**	1	0,835	0,005
81 LED Daylight - 35 W	**052131**	**134,00**	1	0,835	0,005

Note: Other Single Color prices are the same. The last digit of the product code should be changed to the following - for Turquoise 2, for Blue 3, for Red 4, for Green 5.



"SlimLED" Underwater Light without Niche, Resin Filled, RGB Changing Color.
Frame made of ABS Plastic. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **Max. operatig temperature 30°.**



Rear View

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Centrally Control					
252 LED RGB, 36 W	**052155**	**171,00**	1	1,350	0,005
90 LED RGB-White, 36 W	**052152**	**163,00**	1	1,350	0,005
81 LED RGB, 30 W	**052157**	**140,00**	1	1,350	0,005
Built-in Control					
252 LED RGB, 36 W	**052153**	**206,00**	1	1,350	0,005
90 LED RGB-White, 36 W	**052150**	**199,00**	1	1,350	0,005
81 LED RGB, 30 W	**052156**	**189,00**	1	1,350	0,005



Optional Wall Mounting Apparatus

"SlimLED" Underwater Light without Niche, Resin Filled Mounting Kits.



052160E01

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2" with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2" with nut)	**0521403**	**17,00**	1	0,300	0,003

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"New Generation"

2 years Parts WARRANTY

CE

Underwater Lights for Liner Pools

"MAXI-Clicker" Underwater Light without Niche, Single Color.
Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 35 W	**052230**	**120,00**	1		
72 LED Daylight - 35 W	**052231**	**120,00**	1		
72 LED Turquoise - 30 W	**052232**	**120,00**	1		
72 LED Blue - 30 W	**052233**	**120,00**	1		
72 LED Red - 30 W	**052234**	**120,00**	1		
72 LED Green - 30 W	**052235**	**120,00**	1		
72 LED White - 24 W	**0522301**	**110,00**	1		
72 LED Daylight - 24 W	**0522311**	**110,00**	1		
72 LED Turquoise - 20 W	**0522321**	**110,00**	1		
72 LED Blue - 20 W	**0522331**	**110,00**	1		
72 LED Red - 20 W	**0522341**	**110,00**	1		
72 LED Green - 20 W	**0522351**	**110,00**	1		



Patented Bayonet "Click" System

"MAXI-Clicker" Underwater Light without Niche, RGB Changing Color.
Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available. **This product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control - 30 W	**052236**	**136,00**	1		
72 LED RGB - Center Control - 30 W	**052237**	**120,00**	1		
72 LED RGB - Built-in Control - 20 W	**0522361**	**122,00**	1		
72 LED RGB - Center Control - 20 W	**0522371**	**120,00**	1		



Rear View

"MAXI-Clicker" Underwater Light without Niche, Mounting Kits.

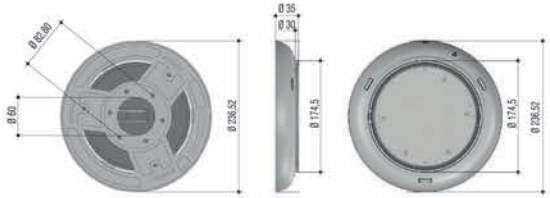
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052130E03**	**15,00**	1	0,300	0,003



052160E01



052130E03



We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

Underwater Lights for Liner Pools

New Generation



2 years Parts WARRANTY

CE

"MIDI-Clicker" Underwater Light without Niche, Single Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. **2 Year Leakage Warranty.**
The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market.
This product is patented.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 11 W	**052160E**	**61,00**	1		
72 LED Daylight - 11 W	**052161E**	**61,00**	1		
72 LED Turquoise - 8 W	**052162E**	**61,00**	1		
72 LED Blue - 8 W	**052163E**	**61,00**	1		
72 LED Red - 8 W	**052164E**	**61,00**	1		
72 LED Green - 8 W	**052165E**	**61,00**	1		

"MIDI-Clicker" Underwater Light without Niche, RGB Changing Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit (0521402). For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. **2 Year Leakage Warranty.**
The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented.**



Patented Bayonet "Click" System

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control -8 W	**052170E**	**101,00**	1		
72 LED RGB - Central Control -8 W	**052171E**	**66,00**	1		

"MIDI-Clicker" Underwater Light without Niche Mounting Kits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052160E03**	**15,00**	1	0,300	0,003



052160E01



052160E03



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"New Generation"

Underwater Lights for Liner Pools



2 years Parts WARRANTY

"MINI-Clicker" Underwater Light without Niche, Single Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available.
This product is patented.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED White - 6 W	**052180**	**60,00**	1		
36 LED Daylight - 6 W	**052181**	**60,00**	1		
36 LED Turquoise - 4 W	**052182**	**64,00**	1		
36 LED Blue - 4 W	**052183**	**64,00**	1		
36 LED Red - 4 W	**052184**	**64,00**	1		
36 LED Green - 4 W	**052185**	**64,00**	1		



"MINI-Clicker" Underwater Light without Niche, RGB Changing Color.
Designed for stairs, small pools and spas. Frame made of ABS Plastic. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by fixing the light directly onto the pool wall with stainless steel screws and plugs. Optional wall mounting apparatus is available.
This product is patented.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED RGB-Built-in Control -4 W	**052190**	**96,00**	1		
36 LED RGB-Central Control -4 W	**052191**	**65,00**	1		



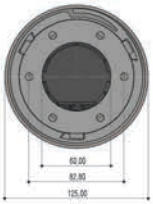
Patented Bayonet "Click" System

"MINI-Clicker" Underwater Light without Niche, Mounting Kits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052180E03**	**15,00**	1	0,300	0,003



052160E01









052180E03

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Underwater Lights for Liner Pools - AISI 304 St. Steel

New Generation

AISI 304/316



"SlimLED-INOX" Underwater Light without Niche, Resin Filled, Single Color.
Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. A single screw attaches the light to the apparatus making it easy to lift the light out of the pool. **2 Year Leakage Warranty.**
For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes below and 20% should be added to the price. Max. operating temperature 30°.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	052140SS	287,00	1	1,400	0,008
252 LED Daylight - 50 W	052141SS	287,00	1	1,400	0,008
252 LED Turquoise - 36 W	052142SS	292,00	1	1,400	0,008
252 LED Blue - 36 W	052143SS	292,00	1	1,400	0,008
252 LED Red - 36 W	052144SS	292,00	1	1,400	0,008
252 LED Green - 36 W	052145SS	292,00	1	1,400	0,008



"SlimLED-INOX" Underwater Light without Niche, Resin Filled, RGB Changing Color.
Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. A single screw attaches the light to the apparatus making it easy to lift the light out of the pool.
2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes and 20% should be added to the prices below.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED RGB, 36 W - Built-in Control	052153SS	328,00	1	1,400	0,008
252 LED RGB, 36 W - Centrally Control	052155SS	291,00	1	1,400	0,008

Note: For RGB 81 LED and RGB 90 LED options with stainless steel frame, please add SS to the end of the product codes on page 127, request 'Liner Pool' and ask for price.



Rear View



Liner Wall Mount Apparatus



We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

AISI 304/316



"New Generation"

Underwater Lights for Liner Pools - AISI 304 St. Steel

"SlimLED-INOXCLICK" Underwater Light without Niche, Resin Filled, Single Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. After the excess cable is wrapped, the light frame is easily slotted onto the mounting apparatus (no screw required). This allows for very easy removal of the light out of the pool.

2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes below and 20% should be added to the price. Max. operatig temperature 30°.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED White - 50 W	052140SSC	256,00	1	1,400	0,008
252 LED Daylight- 50 W	052141SSC	256,00	1	1,400	0,008
252 LED Turquoise - 36 W	052142SSC	254,00	1	1,400	0,008
252 LED Blue - 36 W	052143SSC	254,00	1	1,400	0,008
252 LED Red - 36 W	052144SSC	254,00	1	1,400	0,008
252 LED Green - 36 W	052145SSC	254,00	1	1,400	0,008



"SlimLED-INOXCLICK" Underwater Light without Niche, Resin Filled, RGB Changing Color. Frame made of AISI 304 quality Stainless Steel. Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with epoxy PCB. 2 x 1,5 mm cable of 2,5 m length and Liner Pool Wall Mounting Kit (0521402). For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. After the excess cable is wrapped, the light frame is easily slotted onto the mounting apparatus (no screw required). This allows for very easy removal of the light out of the pool.

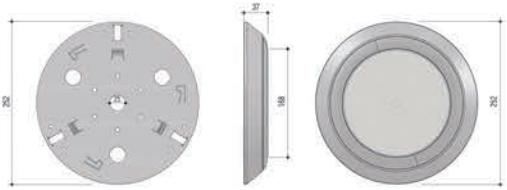
2 Year Leakage Warranty. For AISI 316 quality stainless steel option, 01 should be added to the end of the product codes and 20% should be added to the prices below.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 LED RGB, 36 W - Built-in Control	052153SSC	330,00	1	1,400	0,008
252 LED RGB, 36 W - Centrally Control	052155SSC	292,00	1	1,400	0,008

Note: For "INOXCLICK" in RGB 81 LED and RGB 90 LED please add SSC to the end of the product codes on page 128, request 'Liner Pool' and ask for price.



Wall Mount Apparatus



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Underwater Lights for Liner Pools - St. Steel

New Generation



2 years Parts WARRANTY

AISI 304/316

"MIDI-Clicker-INOX" Underwater Light without Niche, Single Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit (0521402). 120° - IP68. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 11 W	**052160ESS**	**113,00**	1		
72 LED Daylight - 11 W	**052161ESS**	**113,00**	1		
72 LED Turquoise - 8 W	**052162ESS**	**118,00**	1		
72 LED Blue - 8 W	**052163ESS**	**118,00**	1		
72 LED Red - 8 W	**052164ESS**	**118,00**	1		
72 LED Green - 8 W	**052165ESS**	**118,00**	1		



Patented Bayonet "Click" System

"MIDI-Clicker-INOX" Underwater Light without Niche, RGB Changing Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit (0521402). For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control -8 W	**052170ESS**	**156,00**	1		
72 LED RGB - Central Control -8 W	**052171ESS**	**118,00**	1		



052160E01

"MIDI-Clicker" Underwater Light without Niche Mounting Kits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052160E03**	**15,00**	1	0,300	0,003



052160E03



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"New Generation"

Underwater Lights for Liner Pools - AISI 304 St. Steel



2 years Parts WARRANTY

CE AISI 304/316

"MINI-Clicker-INOX" Underwater Light without Niche, Single Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2x0,75 mm cable of 1 m length. 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED White - 6 W	**052180SS**	**109,00**	1		
36 LED Daylight - 6 W	**052181SS**	**109,00**	1		
36 LED Turquoise - 4 W	**052182SS**	**114,00**	1		
36 LED Blue - 4 W	**052183SS**	**114,00**	1		
36 LED Red - 4 W	**052184SS**	**114,00**	1		
36 LED Green - 4 W	**052185SS**	**114,00**	1		



"MINI-Clicker-INOX" Underwater Light without Niche, RGB Changing Color. Designed for stairs, small pools and spas. Frame made of AISI 304 quality Stainless Steel. Complete with 36 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. Wall mounting is done by screwing the wall mounting apparatus directly to the pool wall. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR38 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED RGB-Built-in Control -4 W	**052190SS**	**147,00**	1		
36 LED RGB-Central Control -4 W	**052191SS**	**115,00**	1		



Patented Bayonet "Click" System

"MINI-Clicker" Underwater Light without Niche Mounting Kits.

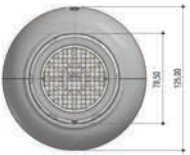
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052180E03**	**15,00**	1	0,300	0,003



052160E01









052180E03

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Underwater Lights for Liner Pools - St. Steel

New Generation

AISI 304/316

2 years Parts WARRANTY



"MAXI-Clicker-INOX" Underwater Light without Niche, Single Color.
Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit. 120° - IP68. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **This product is patented.**
For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 35 W	**052230SS**	**178,00**	1		
72 LED Daylight - 35 W	**052231SS**	**178,00**	1		
72 LED Turquoise - 30 W	**052232SS**	**178,00**	1		
72 LED Blue - 30 W	**052233SS**	**178,00**	1		
72 LED Red - 30 W	**052234SS**	**178,00**	1		
72 LED Green - 30 W	**052235SS**	**178,00**	1		
72 LED White - 24 W	**0522301SS**	**168,00**	1		
72 LED Daylight - 24 W	**0522311SS**	**168,00**	1		
72 LED Turquoise - 20 W	**0522321SS**	**168,00**	1		
72 LED Blue - 20 W	**0522331SS**	**168,00**	1		
72 LED Red - 20 W	**0522341SS**	**168,00**	1		
72 LED Green - 20 W	**0522351SS**	**168,00**	1		



Patented Bayonet "Click" System



052160E01

"MAXI-Clicker-INOX" Underwater Light without Niche, RGB Changing Color.
Frame made of AISI 304 quality Stainless Steel. Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1 m length and Liner Pool Wall Mounting Kit. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). 120° - IP68. **2 Year Leakage Warranty.** The light, without the frame, can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. **This product is patented. For 316 quality Stainless Steel option, 01 should be added to the end of product codes below, and 20% should be added to the price.**

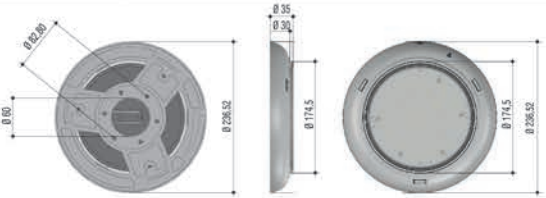
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in Control - 30 W	**052236SS**	**194,00**	1		
72 LED RGB - Center Control - 30 W	**052237SS**	**178,00**	1		
72 LED RGB - Built-in Control - 20 W	**0522361SS**	**180,00**	1		
72 LED RGB - Center Control - 20 W	**0522371SS**	**164,00**	1		

"MAXI-Clicker" Underwater Light without Niche Mounting Kits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Liner panel pool mounting kit (2'' with nut)	**052160E01**	**16,00**	1	0,300	0,003
Polyester pool mounting kit (2'' with nut)	**052130E03**	**15,00**	1	0,300	0,003



052130E03



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NEW!

maxi CLICKER®

gemas.com.tr



- Patented Bayonet “Click” Wall Mount Design Led
- Stainless Steel Frame (AISI 304/316) Option
- Different Colored ABS Frame Options (Grey, Beige and Anthracite)
- Easy Mount Adaptor Set for Liner Prefabricated Pool Applications
- Mini - Midi and Maxi size options
- Fountain and Landscape Led with Footed and Spike models

ios App

android App

GEMAS

“Pool Technology”

Available on the App Store

Get it on Google play

Hang Over Underwater LED Light for Prefabricated Pools

New Generation



"Hang Over" Underwater LED Light.
Hang Over Underwater LED Light specifically designed for DIY installation to above ground pools. Complete with 50 W/12 V AC transformer, 5+2 meters cable. The product is ready to be connected to 220 V AC to start function. Easy DIY install with two screws to pool coping. Optional elongation part (13,5 cm) to be used to install at deeper levels. LED beam angle 120°.

Technical Features:
- Special, elegant, stylish and patented design
- Easy snap mechanism by design
- In A + energy class
- In IP68 protection class
- Ability to direct connect 220-230 V / 50-60 Hz network line
- Can be easily installed in above ground swimming pools



"Hang Over" Underwater LED Light. Single Color.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - 15 W	0511611	92,00	1		
72 LED Daylight - 15 W	0511612	92,00	1		
72 LED Turquoise - 14 W	0511613	92,00	1		
72 LED Blue - 14 W	0511614	92,00	1		
72 LED Red - 14 W	0511615	92,00	1		
72 LED Green - 14 W	0511616	92,00	1		

"Hang Over" Underwater LED Light. RGB Changing Color

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB-Built-in Control - 14 W	0511711	131,00	1		
72 LED RGB-Self Control - 14 W	0511711SC	194,00	1		



Easy DIY Installation



50W/12VAC Transformer

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.


051111

Underwater Lights for Concrete Pools - ABS

"Standard 95" Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light, with 300 W/12 V PAR56	**051111**	**75,00**	1	2,160	0,016
Complete light, with 24 W-72 SMD LED	**051111LS**	**77,00**	1		
051111, without cable	**051111C**	**53,00**	1		
051111LS, without cable	**051111LSC**	**71,00**	1		
051111, without niche and cable	**051111NC**	**43,00**	1		
051111LS, without niche and cable	**051111LSNC**	**57,00**	1		
Niche	**05111110S**	**23,00**	1		


051111LS

"Standard 2002" Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light, with 300 W/12 V PAR56	**051114**	**90,00**	1	2,160	0,016
Complete light, with 24 W-72 SMD LED	**051114LS**	**92,00**	1		
051114, with locking	**051115**	**101,00**	1		
051114LS, with locking	**051115LS**	**104,00**	1		
051114, without cable	**051114C**	**68,00**	1		
051114LS, without cable	**051114LSC**	**87,00**	1		
051114, without cable and niche	**051114NC**	**57,00**	1		
051114LS, without cable and niche	**051114LSNC**	**72,00**	1		
Niche	**05111410S**	**24,00**	1		
Modular niche extension	**0511411**	**16,00**	1		


051114


051114LS

"Standard 2004" Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light, with 300 W/12 V PAR56	**051118**	**90,00**	1		
Complete light, with 24 W-72 SMD LED	**051118LS**	**92,00**	1		
051118, with locking	**051119**	**101,00**	1		
051118LS, with locking	**051119LS**	**104,00**	1		
051118, without cable	**051118C**	**68,00**	1		
051118LS, without cable	**051118LSC**	**87,00**	1		
051118, without cable and niche	**051118NC**	**57,00**	1		
051118LS, without cable and niche	**051118LSNC**	**71,00**	1		
Niche	**05111810S**	**24,00**	1		
Modular niche extension	**0511411**	**16,00**	1		


051119


0511411

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Underwater Lights for Concrete Pools - ABS

2 years Parts WARRANTY



051112LS

"Standard 2006" Underwater Lights.
Frame made of ABS plastic, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or
24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche. Light is fixed to the niche with 2 front screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete Light, with 300 W/12 V PAR56	**051112**	**90,00**	1	2,800	0,016
Complete Light, with 24 W-72 SMD LED	**051112LS**	**92,00**	1	2,800	0,016



05112

"Mini 2008" Underwater Lights. For concrete pools. Frame and niche made of ABS plastic. Complete with halogen or power led bulb, 2 m cable and special tightening tool.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
50 W/12 V 2,000 0,007	**05112**	**53,00**	1		
6 W/12 V with white SMD 36 LED	**05112LS**	**70,00**	1		
Niche	**0511212S**	**30,00**	1		



05112SLS

"Mini 2001" Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m. cable. 50 W/12 V bulb or 4,2 W power LED.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slip type body with plastic frame	**05112S**	**38,00**	4	2,000	0,007
05112S, with 6 W/12 V SMD 36 LED	**05112SLS**	**58,00**	4	2,500	0,007
2" threaded with plastic frame	**05112T**	**38,00**	4	2,100	0,007
05112T, with 6 W/12 V SMD 36 LED	**05112TLS**	**58,00**	4	2,500	0,007



Housing for Mini 2001 for Concrete Pools.
Complete with the special "no-leak" cable outlet.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	04160A	**21,00**	20	10,420	0,060



"No-leak" adaptor for cables. Can be adhered to the back of the GEMAS Housing for Concrete Pools, or at the mouth of Ø 63 mm 10 atm PVC pipes. With cable gland seal.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	0511200101S	**17,00**	1		

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Underwater Lights for Concrete Pools - S.S.

"Standard 2002" Underwater Lights. AISI 304 Quality Stainless Steel Frame. Frame made of AISI 304 quality stainless steel, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete Light	**051114SS**	**151,00**	1	2,790	0,016
Complete Light, SMD LED version	**051114SSLS**	**152,00**	1		



051114SSLS

"Standard 95" Underwater Lights. AISI 304 Quality Stainless Steel Plated Frame. Frame made of AISI 304 quality stainless steel plated ABS plastic, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete Light	**051113SS**	**125,00**	1	2,646	0,016
Complete Light, SMD LED version	**051113SSLS**	**128,00**	1		



Stainless Steel Frame For Underwater Lights. Made of AISI 304 quality stainless steel. Can easily be adapted to existing ABS frames.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For "Flat" Light	**05111608**	**71,00**	1		
For "Standard 2002" Light	**05111408**	**60,00**	1		
For "Mini 2008" Light	**0511212508**	**50,00**	1		
"Standard 2002" For Locked Light	**05111508**	**60,00**	1		
For "Standard 95" Light	**05111108**	**51,00**	1		



05111608

"Mini 2001" Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m. cable. 50 W/12 V bulb or 6 W SMD LED bulb.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slip type body with st. steel frame	**05112SC**	**102,00**	4	2,300	0,007
Ditto, with white 36 LED	**05112SCLS**	**179,00**	4		
2" threaded with st. steel frame	**05112TC**	**102,00**	4	2,400	0,007
Ditto, with white 36 LED	**05112TCLS**	**179,00**	4		



05112SC



05112SCLS

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Underwater Lights for Liner Pools



052111BLS

"Standard 95" Underwater Lights.
Frame made of ABS plastic, brass screw fittings, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche. Complete with flange, bolts and gaskets.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light with 300 W/12 V PAR56	**052111B**	**92,00**	1	2,450	0,016
Complete light with 24 W-72 SMD LED	**052111BLS**	**99,00**	1	2,450	0,016
052111B, without cable	**052111BC**	**79,00**	1	2,300	0,016
052111BLS, without cable	**052111BLSC**	**93,00**	1	2,300	0,016
052111B, without niche and cable	**052111BNC**	**72,00**	1	2,100	0,016
052111BLS, without niche and cable	**052111BLSNC**	**87,00**	1	2,100	0,016
Niche	**05211101BSP**	**53,00**	1		0,016



052114B

"Standard 2002" Underwater Lights. Frame made of ABS plastic, brass screw fittings, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche. Complete with flange, bolts and gaskets.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light, with 300W/12V PAR56	**052114B**	**111,00**	1	2,450	0,016
Complete light, with 24W – 72 SMD LED	**052114BLS**	**114,00**	1	2,450	0,016
052114B, with locking mechanism	**052115B**	**118,00**	1	2,700	0,016
052114BLS, with locking mechanism	**052115BLS**	**122,00**	1	2,700	0,016
052114B, without cable	**052114BC**	**91,00**	1	2,300	0,016
052114BLS, without cable	**052114BLSC**	**98,00**	1	2,300	0,016
052114B, without niche and cable	**052114BNC**	**77,00**	1	2,100	0,016
052114BLS, without niche and cable	**052114BLSNC**	**91,00**	1	2,100	0,016
Niche	**05211410BSP**	**56,00**	1		0,016



052118BLS

"Standard 2004" Underwater Lights. Frame made of ABS plastic, brass screw fittings, niche in white plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche. Complete with flange, bolts and gaskets.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete light, with 300W/12V PAR56	**052118B**	**111,00**	1	2,450	0,016
Complete light, with 24W – 72 SMD LED	**052118BLS**	**113,00**	1	2,450	0,016
052118B, with locking mechanism	**052119B**	**118,00**	1	2,700	0,016
052118BLS, with locking mechanism	**052119BLS**	**122,00**	1	2,700	0,016
052118B, without cable	**052118BC**	**91,00**	1	2,300	0,016
052118BLS, without cable	**052118BLSC**	**98,00**	1	2,300	0,016
052118B, without niche and cable	**052118BNC**	**77,00**	1	2,100	0,016
052118BLS, without niche and cable	**052118BLSNC**	**91,00**	1	2,100	0,016
Niche	**05211810BSP**	**56,00**	1		0,016

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Underwater Lights for Liner Pools

"Standard 2006" Underwater Lights. Frame, niche and niche fittings made of ABS plastic. Complete with either 300 W/12 V PAR56 bulb with 2 x 4 mm cable of 2,5 m length or 24 W/12 V ECOSLIM White 72 SMD LED bulb with 2 x 0,75 mm cable of 1,5 m length. Choice of "Side" or "Bottom" cable outlet on the niche. Complete with flange, bolts and gaskets. Light is fixed to the niche with 2 front screws. **Specially designed for panel type liner pools.** Complete with flange, bolts and gaskets.


052112LS

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Complete Light	**052112**	**123,00**	1	2,800	0,016
Complete Light, with SMD LED	**052112LS**	**124,00**	1		

"Mini 2008" Underwater Light for Concrete Pools.
For liner pools. Frame, niche and flange made of ABS plastic. Complete with halogen bulb or power LED, 2 m. cable and special locking tool.


05212B

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
50 W / 12 V	**05212B**	**69,00**	1		
6 W / 12 V White SMD 36 LED	**05212BLS**	**86,00**	1		
Niche	**0521212S**	**39,00**	1		

"Mini 2001" Underwater Light.
Heat resistant plastic body, bottom cable outlet, 2 m silicon cable. 50 W / 12 V.


05112S

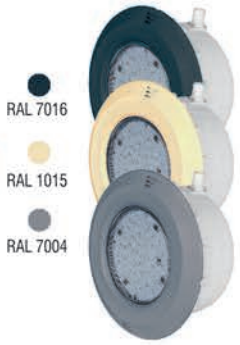
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slip body, plastic frame	**05112S**	**38,00**	4	2,000	0,007
Ditto, White SMD 36 LED	**05112SLS**	**58,00**	4		
2" threaded body, plastic frame	**05112T**	**38,00**	4	2,100	0,007
Ditto, White SMD 36 LED	**05112TLS**	**58,00**	4		

Housing for Mini 2001 for Liner Pools.
For fixing the light to the pool wall. Complete with the "no-leak" cable adaptor, flange, screws and gaskets.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Housing	**04260A**	**37,00**	20	11,800	0,060
Ditto, brass cavities	**04260AB**	**42,00**	20	11,800	0,060

"Standart 2002" Underwater Light Colored Frame
Made of ABS. Different Color options can be adapted to all Standart 2002 Models.
For Frame with "Locking Mechanism" Please the sixth digit of the code from "4" to "5".
Price only includes the frame, not the complete light.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Anthracite - RAL 7016	**051114011A**	**25,00**	1		
Beige - RAL 1015	**051114011B**	**25,00**	1		
Gray - RAL 7004	**051114011G**	**25,00**	1		

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Technical Table For PAR56 LED Bulbs - Single Color

Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m²)	Light Angle	Safe
0541101	**Slim 252 SMD LED - White**	**SMD**	**252**	**12**	**50**	**3536**	**120°**	**Policarbonate**
0541102	**Slim 252 SMD LED - Daylight**	**SMD**	**252**	**12**	**50**	**3536**	**120°**	**Policarbonate**
0541103	**Slim 252 SMD LED - Turquoise**	**SMD**	**252**	**12**	**36**	**1011**	**120°**	**Policarbonate**
0541104	Slim 252 SMD LED - Blue	SMD	252	12	36	1011	120°	Policarbonate
0541105	Slim 252 SMD LED - Red	SMD	252	12	36	1011	120°	Policarbonate
0541106	**Slim 252 SMD LED - Green**	**SMD**	**252**	**12**	**36**	**1011**	**120°**	**Policarbonate**
0541111	**Slim 81 SMD LED - White**	**SMD**	**81**	**12**	**35**	**2739**	**120°**	**Policarbonate**
0541112	**Slim 81 SMD LED - Daylight**	**SMD**	**81**	**12**	**35**	**2739**	**120°**	**Policarbonate**
0541113	Slim 81 SMD LED - Turquoise	SMD	81	12	30	1241	120°	Policarbonate
0541114	Slim 81 SMD LED - Blue	SMD	81	12	30	1241	120°	Policarbonate
0541115	Slim 81 SMD LED - Red	SMD	81	12	30	1241	120°	Policarbonate
0541116	Slim 81 SMD LED - Green	SMD	81	12	30	1241	120°	Policarbonate
051130ER	ECOSlim 72 SMD LED - White	SMD	72	12	24	1614	120°	Policarbonate
051131ER	ECOSlim 72 SMD LED - Daylight	SMD	72	12	24	1614	120°	Policarbonate
051132ER	ECOSlim 72 SMD LED - Turquoise	SMD	72	12	20	671	120°	Policarbonate
051133ER	ECOSlim 72 SMD LED - Blue	SMD	72	12	20	671	120°	Policarbonate
051134ER	ECOSlim 72 SMD LED - Red	SMD	72	12	20	671	120°	Policarbonate
051135ER	ECOSlim 72 SMD LED - Green	SMD	72	12	20	671	120°	Policarbonate
051160ER	MIDI-Clicker 72 SMD LED - White	SMD	72	12	11	952	120°	Policarbonate
051161ER	MIDI-Clicker 72 SMD LED - Daylight	SMD	72	12	11	952	120°	Policarbonate
051162ER	MIDI-Clicker 72 SMD LED - Turquoise	SMD	72	12	8	170	120°	Policarbonate
051163ER	MIDI-Clicker 72 SMD LED - Blue	SMD	72	12	8	170	120°	Policarbonate
051164ER	MIDI-Clicker 72 SMD LED - Red	SMD	72	12	8	170	120°	Policarbonate
051165ER	MIDI-Clicker 72 SMD LED - Green	SMD	72	12	8	170	120°	Policarbonate
051180R	MINI-Clicker 36 SMD LED - White	SMD	36	12	6	508	120°	Policarbonate
051181R	MINI-Clicker 36 SMD LED - Daylight	SMD	36	12	6	508	120°	Policarbonate
051182R	MINI-Clicker 36 SMD LED - Turquoise	SMD	36	12	4	86	120°	Policarbonate
051183R	MINI-Clicker 36 SMD LED - Blue	SMD	36	12	4	86	120°	Policarbonate
051184R	MINI-Clicker 36 SMD LED - Red	SMD	36	12	4	86	120°	Policarbonate
051185R	MINI-Clicker 36 SMD LED - Green	SMD	36	12	4	86	120°	Policarbonate
0531101	**Single color PAR56 SMD with 63 LED - White**	**SMD**	**63**	**12**	**20**	**1511**	**120°**	**Policarbonate**
0531102	**Single color PAR56 SMD with 63 LED - Daylight**	**SMD**	**63**	**12**	**20**	**1511**	**120°**	**Policarbonate**
0531103	Single color PAR56 SMD with 63 LED - Turquoise	SMD	63	12	15	550	120°	Policarbonate
0531104	Single color PAR56 SMD with 63 LED - Blue	SMD	63	12	15	550	120°	Policarbonate
0531105	Single color PAR56 SMD with 63 LED - Red	SMD	63	12	15	550	120°	Policarbonate
0531106	Single color PAR56 SMD with 63 LED - Green	SMD	63	12	15	550	120°	Policarbonate
0531111	Single color PAR56 SMD with 252 LED - White	SMD 2835	252	12	40	3059	85°	Policarbonate
0531112	Single color PAR56 SMD with 252 LED - Daylight	SMD 2835	252	12	40	3059	85°	Policarbonate
0531113	Single color PAR56 SMD with 252 LED - Turquoise	SMD 2835	252	12	30	900	80°	Policarbonate
0531114	Single color PAR56 SMD with 252 LED - Blue	SMD 2835	252	12	30	900	80°	Policarbonate
0531115	Single color PAR56 SMD with 252 LED - Red	SMD 2835	252	12	30	900	80°	Policarbonate
0531116	**Single color PAR56 SMD with 252 LED - Green**	**SMD 2835**	**252**	**12**	**30**	**900**	**80°**	**Policarbonate**
0532311	Single color PAR56 with 9 OSRAM Power LED-White	OSRAM POWER	9	12	18	1936	80°	Policarbonate
0532312	Single color PAR56 with 9 OSRAM Power LED-Daylight	OSRAM POWER	9	12	18	1936	80°	Policarbonate
0532313	Single color PAR56 with 9 OSRAM Power LED-Turquoise	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532314	Single color PAR56 with 9 OSRAM Power LED-Blue	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532315	Single color PAR56 with 9 OSRAM Power LED-Red	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532316	Single color PAR56 with 9 OSRAM Power LED-Green	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532111	**Single color PAR56 with 18 Power LED - White**	**POWER**	**18**	**12**	**24**	**1690**	**140°**	**Policarbonate**
0532112	Single color PAR56 with 18 Power LED - Daylight	POWER	18	12	24	**1690**	140°	Policarbonate
0532113	Single color PAR56 with 18 Power LED - Turquoise	POWER	18	12	23	848	140°	Policarbonate
0532114	Single color PAR56 with 18 Power LED - Blue	POWER	18	12	23	848	140°	Policarbonate
0532115	Single color PAR56 with 18 Power LED - Red	POWER	18	12	23	848	140°	Policarbonate
0532116	Single color PAR56 with 18 Power LED - Green	POWER	18	12	23	848	140°	Policarbonate
05321111	**Single color PAR56 with 27 Power LED - White**	**POWER**	**27**	**12**	**35**	**1038**	**140°**	**Policarbonate**
05321121	Single color PAR56 with 27 Power LED - Daylight	POWER	27	12	35	1038	140°	Policarbonate
05321131	Single color PAR56 with 27 Power LED - Turquoise	POWER	27	12	35	1038	140°	Policarbonate

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Technical Table For PAR56 LED Bulbs - Single Color

Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m²)	Light Angle	Safe
05321141	Single color PAR56 with 27 Power LED - Blue	POWER	27	12	35	1038	140°	Policarbonate
05321151	Single color PAR56 with 27 Power LED - Red	POWER	27	12	35	1038	140°	Policarbonate
05321161	Single color PAR56 with 27 Power LED - Gren	POWER	27	12	35	1038	140°	Policarbonate
0532211	**Single color PAR56 with 18 Power LED - White**	**POWER**	**18**	**24**	**46**	**4320**	**140°**	**Aluminium**
0532212	**Single color PAR56 with 18 Power LED - Daylight**	**POWER**	**18**	**24**	**46**	**3600**	**140°**	**Aluminium**
0532213	Single color PAR56 with 18 Power LED - Turquoise	POWER	18	24	46	2226	140°	Aluminium
0532214	Single color PAR56 with 18 Power LED - Blue	POWER	18	24	46	918	140°	Aluminium
0532215	Single color PAR56 with 18 Power LED - Red	POWER	18	24	30	2880	140°	Aluminium
0532216	Single color PAR56 with 18 Power LED - Green	POWER	18	24	46	2880	140°	Aluminium
05322111	**Single color PAR56 with 27 Power LED - White**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**
05322121	**Single color PAR56 with 27 Power LED - Daylight**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**
05322131	Single color PAR56 with 27 Power LED - Turquoise	POWER	27	12	70	4225	140°	Aluminium
05322141	Single color PAR56 with 27 Power LED - Blue	POWER	27	12	70	4225	140°	Aluminium
05322151	**Single color PAR56 with 27 Power LED - Red**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**
05322161	**Single color PAR56 with 27 Power LED - Green**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**

Technical Table For PAR56 LED Bulbs - RGB

Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m²)	Light Angle	Safe
05115301	**Slim 252 SMD LED Built-in Control**	**SMD**	**252**	**12**	**36**	**1011**	**120°**	**Policarbonate**
05115501	**Slim 252 SMD LED Centrally Control**	**SMD**	**252**	**12**	**36**	**1011**	**120°**	**Policarbonate**
0541201	Slim 90 SMD LED Built-in Control	SMD	90	12	36	1081	120°	Policarbonate
0541202	Slim 90 SMD LED Centrally Control	SMD	90	12	36	1081	120°	Policarbonate
05115601	Slim 81 SMD LED Built-in Control	SMD	81	12	30	1241	120°	Policarbonate
05115701	Slim 81 SMD LED Centrally Control	SMD	81	12	30	1241	120°	Policarbonate
051150ER	ECOSlim 72 SMD LED Bulbs with Built-in Control	SMD	72	12	20	671	120°	Policarbonate
051151ER	ECOSlim 72 SMD LED Bulbs with Central Control	SMD	72	12	20	671	120°	Policarbonate
????	MAXI-Clicker 72 SMD LED Bulbs with Built-in Control	SMD	72	12	30	774	120°	Policarbonate
????	MAXI-Clicker 72 SMD LED Bulbs with Central Control	SMD	72	12	30	774	120°	Policarbonate
????	MAXI-Clicker 72 SMD LED Bulbs with Built-in Control	SMD	72	12	20	671	120°	Policarbonate
????	MAXI-Clicker 72 SMD LED Bulbs with Central Control	SMD	72	12	20	671	120°	Policarbonate
0532523	MIDI-Clicker 72 SMD LED Bulbs with Built-in Control	SMD	72	12	8	170	120°	Policarbonate
0532524	MIDI-Clicker 72 SMD LED Bulbs with Central Control	SMD	72	12	8	170	120°	Policarbonate
0532631	MINI-Clicker 36 SMD LED Bulbs with Built-in Control	SMD	36	12	4	86	120°	Policarbonate
0532622	MINI-Clicker 36 SMD LED Bulbs with Central Control	SMD	36	12	4	86	120°	Policarbonate
0531201	RGB PAR56 SMD with 54 LED - Built-in Control System	SMD	54	12	15	550	120°	Policarbonate
0531202	RGB PAR56 SMD with 54 LED - Central Control System	SMD	54	12	15	550	120°	Policarbonate
0531211	RGB PAR56 SMD with 252 LED - Built-in Control System	SMD	252	12	30	900	120°	Policarbonate
0531212	RGB PAR56 SMD with 252 LED - Central Control System	SMD	252	12	30	900	120°	Policarbonate
0532321	PAR56 9 OSRAM Power LED Centrally Control	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532322	PAR56 9 OSRAM Power LED Built-in Control	OSRAM POWER	9	12	23	893	80°	Policarbonate
0532121	PAR56 18 Power LED Bulbs with Built-in Control	POWER	18	12	23	848	140°	Policarbonate
0532721	PAR56 18 Power LED'li Bulbs with Central Control	POWER	18	12	23	893	140°	Policarbonate
0532221	PAR56 with 18 Power LED - Built-in Control System with Alu. Body	POWER	18	12	46	2226	140°	Aluminium
0532222	PAR56 with 18 Power LED - Central Control System with Alu. Body	POWER	18	12	46	2226	140°	Aluminium
0532122	PAR56 27 Power LED Bulbs with Built-in Control	POWER	27	12	35	1038	140°	Policarbonate
0532722	PAR56 27 Power LED Bulbs with Central Control	POWER	27	12	35	1038	140°	Policarbonate
0532123	RGBW PAR56 30 LED Built-in Control	POWER	30	12	31	1779	120°	Policarbonate
0532223	RGBW PAR56 with 30 Power LED - Central Control System	POWER	30	12	31	1779	120°	Policarbonate
0532223	**RGB PAR56 with 27 Power LED - Built-in Control System with Alu. Body**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**
0532224	**RGB PAR56 with 27 Power LED - Central Control System with Alu. Body**	**POWER**	**27**	**12**	**70**	**4225**	**140°**	**Aluminium**
0532226	**RGBW PAR56 with 30 Power LED - Built-in Control System**	**POWER**	**30**	**12**	**50**	**2523**	**120°**	**Policarbonate**
0532227	**RGBW PAR56 with 30 Power LED - Central Control System**	**POWER**	**30**	**12**	**50**	**2525**	**120°**	**Policarbonate**

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SlimLED Bulbs for PAR56 Replacement - Single Color

2 years Parts WARRANTY

New Generation

120° Light Spectrum



"SlimLED" Underwater Light Bulb - Replacement - Single Color.
Embedded into special transparent resin, polycarbonate light body with 252 LED, 2 x 1,5 cable of 2,5 m length 120° IP68. Complete with adapter set.
2 years leakage warranty. Can be used for the replacement of any existing PAR56 bulb on the market. 50.000 hours of life.

"SLIMLED" BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	252	50	3536	120°
Daylight	252	50	3536	120°
Turquoise	252	36	1011	120°
Blue	252	36	1011	120°
Red	252	36	1011	120°
Green	252	36	1011	120°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0541101	145,00	1		
Daylight	0541102	145,00	1		
Turquoise	0541103	150,00	1		
Blue	0541104	150,00	1		
Red	0541105	150,00	1		
Green	0541106	150,00	1		



2 years Parts WARRANTY

"SlimLED" Underwater Light Bulb - Replacement - Single Color.
Embedded into special transparent resin, polycarbonate light body with 81 LED, 2 x 1,5 cable of 2,5 m length 120° IP68. Complete with adapter set. **2 years leakage warranty.** Can be used for the replacement of any existing PAR56 bulb on the market. 50.000 hours of life.

"SLIMLED" BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	81	35	2739	120°
Daylight	81	35	2739	120°
Turquoise	81	30	1241	120°
Blue	81	30	1241	120°
Red	81	30	1241	120°
Green	81	30	1241	120°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0541111	114,00	1		
Daylight	0541112	114,00	1		
Turquoise	0541113	118,00	1		
Blue	0541114	118,00	1		
Red	0541115	118,00	1		
Green	0541116	118,00	1		









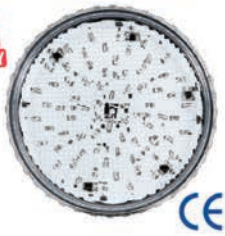
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"New Generation"

120° Light Spectrum

ECOSlimLED Bulbs for PAR56 Replacement - Single Color

2 years Parts WARRANTY



"ECOSlimLED" Underwater Light Bulb - Replacement - Single Color.
Polycarbonate light body complete with 72 SMD LED, epoxy PCB.
2 x 0,75 cable of 1,5 m length 120° IP68. Complete with adapter set. Can be used for the replacement of any existing PAR56 bulb on the market. 50.000 hours of life.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	051130ER	44,00	1		
Daylight	051131ER	44,00	1		
Turquoise	051132ER	50,00	1		
Blue	051133ER	50,00	1		
Red	051134ER	50,00	1		
Green	051135ER	50,00	1		

"ECOSLIMLED" BULBS

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	72	24	1614	120°
Daylight	72	24	1614	120°
Turquoise	72	20	671	120°
Blue	72	20	671	120°
Red	72	20	671	120°
Green	72	20	671	120°

PAR56 LED Bulbs - Single Color - with SMD LED

120° Light Spectrum

2 years Parts WARRANTY



Single Color PAR56 with 63 SMD LED - 120°.
Polycarbonate body, AC-DC 11-14 V. 50.000 hours long life.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0531101	44,00	1		
Daylight	0531102	44,00	1		
Turquoise	0531103	48,00	1		
Blue	0531104	48,00	1		
Red	0531105	48,00	1		
Green	0531106	48,00	1		

63 "SMD" LED BULBS

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	63	20	1511	120°
Daylight	63	20	1511	120°
Turquoise	63	15	550	120°
Blue	63	15	550	120°
Red	63	15	550	120°
Green	63	15	550	120°

Single Color PAR56 with 252, SMD LED - 120°.
Polycarbonate body, AC-DC 11-14 V. 50.000 hours long life.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0531111	100,00	1		
Daylight	0531112	100,00	1		
Turquoise	0531113	105,00	1		
Blue	0531114	105,00	1		
Red	0531115	105,00	1		
Green	0531116	105,00	1		

252 "SMD" LED BULBS

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	252	40	3059	120°
Daylight	252	40	3059	120°
Turquoise	252	30	900	120°
Blue	252	30	900	120°
Red	252	30	900	120°
Green	252	30	900	120°

Note: Bulbs with "Flat Transparent Glass" fronts are available, please add F to the end of the above product codes.

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PAR56 LED Bulbs - Single Color - With OSRAM LED



80° Light Spectrum

2 years Parts WARRANTY

OSRAM Single Color PAR56 9 Power LED Bulb.
Polycarbonate body, AC-DC 11-14 V. 50.000 hours long life.
All bulb circuits have heat sensitive **Automatic Current Control** to ensure long life.

9 PAR56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	9	18	1936	80°
Daylight	9	18	1936	80°
Turquoise	9	23	893	80°
Blue	9	23	893	80°
Red	9	23	893	80°
Green	9	23	893	80°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0532311	107,00	1		
Daylight	0532312	107,00	1		
Turquoise	0532313	107,00	1		
Blue	0532314	107,00	1		
Red	0532315	107,00	1		
Green	0532316	107,00	1		

PAR56 LED Bulbs - Single Color - With Power LED



140° Light Spectrum

2 years Parts WARRANTY

Single Color PAR56 Lamp with 18 Power LED. Polycarbonate body, AC-DC 11-14V. 50.000 hours - long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

18 PAR56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	18	24	1690	140°
Daylight	18	24	1690	140°
Turquoise	18	23	848	140°
Blue	18	23	848	140°
Red	18	23	848	140°
Green	18	23	848	140°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0532111	101,00	1		
Daylight	0532112	101,00	1		
Turquoise	0532113	115,00	1		
Blue	0532114	115,00	1		
Red	0532115	115,00	1		
Green	0532116	115,00	1		

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PAR56 LED Bulbs - Single Color - With Power LED

140° Light Spectrum



Single color PAR56 with 27 Power LED Bulb.
Polycarbonate body, AC-DC 11-14V. 50.000 hours-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	05321111	140,00	1		
Daylight	05321121	140,00	1		
Turquoise	05321131	140,00	1		
Blue	05321141	140,00	1		
Red	05321151	140,00	1		
Green	05321161	140,00	1		

27 PAR56 "POWER" LED BULBS

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	27	35	3510	140°
Daylight	27	35	2322	140°
Turquoise	27	35	1818	140°
Blue	27	35	810	140°
Red	27	22	1782	140°
Green	27	35	2322	140°



Single color PAR56 with 27 Power LED Bulb.
Polycarbonate glass - **Aluminum injection body,** AC-DC 22-26V. 50.000 hours-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	05322111	179,00	1		
Daylight	05322121	179,00	1		
Turquoise	05322131	179,00	1		
Blue	05322141	179,00	1		
Red	05322151	179,00	1		
Green	05322161	179,00	1		

27 PAR56 "POWER" LED BULBS

Color	# of LED	AC 24 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	27	70	4225	140°
Daylight	27	70	4225	140°
Turquoise	27	70	4225	140°
Blue	27	70	4225	140°
Red	27	70	4225	140°
Green	27	70	4225	140°

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PAR38 LED Bulbs - Single Color - With SMD LED





2 years Parts WARRANTY

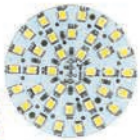
30˚ Light Spectrum
Automatic Current Control

Single Color 63 SMD LED bulb.
Polycarbonate body, AC-DC 11-14V.

63 "SMD" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	63	10	1000	30°
Daylight	63	10	1000	30°
Turquoise	63	10	1000	30°
Blue	63	10	1000	30°
Red	63	10	1000	30°
Green	63	10	1000	30°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0532711	41,00	1		
Daylight	0532712	41,00	1		
Turquoise	0532713	46,00	1		
Blue	0532714	46,00	1		
Red	0532715	46,00	1		
Green	0532716	46,00	1		

Mini LED Bulbs - Single Color - With SMD LED



2 years Parts WARRANTY

90˚ Light Spectrum

Single Color 36 SMD LED Lights.
AC-DC 11-14V. **Bare Circuit Bulb.** 50,000 hours-long life.

36 "SMD" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
White	36	6	298	140°
Daylight	36	6	298	140°
Turquoise	36	6	75	140°
Blue	36	6	75	140°
Red	36	6	75	140°
Green	36	6	75	140°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	0532822	42,00	1		
Daylight	0532821	42,00	1		
Turquoise	0532824	47,00	1		
Blue	0532823	47,00	1		
Red	0532825	47,00	1		
Green	0532826	47,00	1		

Underwater STRIP LED Lights - IP68



2 years Parts WARRANTY

Single Color LED Strip Lighting.
12 V strip IP68 LED 12 W. Width 10 mm, Thickness 5 mm. Standard roll Length is 5 m. Price below is per metre. Special sealed cable connection possible.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White - price per meter	0534111	30,00			
Daylight - price per meter	0534112	30,00			
Blue - price per meter	0534113	30,00			
RGB - price per meter	0534121	35,00			
Aluminium Mounting Strip, w/opaque cover	0534111C	8,40			
Aluminium Mounting Strip, cap	0534111CC	0,70			

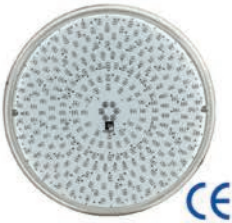
Note: LED Strip Light can be pre-assembled into the overflow channel profile. Please ask for price.

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SlimLED Bulbs for PAR56 Replacement - RGB

2 years Parts WARRANTY

120° Light Spectrum



"SlimLED" Underwater Light Bulb - Replacement Kit - RGB changing Color.
Polycarbonate light body with a choice of LED quantities and powers embedded into a special transparent resin. Complete with 2 x 1,5 mm cable of 2,5 m length and adapter set. 120° - IP68. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional). **2 years leakage warranty.** The light can be used as a replacement bulb for LED conversion of all PAR56 products available on the market. 50,000 hours life.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
252 Built-in Control replacement kit	**05115301**	**186,00**	1		
252 Central Control replacement kit	**05115501**	**150,00**	1		
90 Built-in Control replacement kit	**0541201**	**155,00**	1		
90 Central Control replacement kit	**0541202**	**178,00**	1		
81 Built-in Control replacement kit	**05115601**	**169,00**	1		
81 Central Control replacement kit	**05115701**	**119,00**	1		

"SLIMLED" BULBS

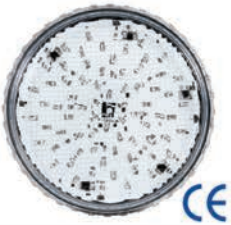
Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	252	36	1011	120°
RGB C.I.	252	36	1011	120°
RGB B.I.	90	36	1081	120°
RGB C.I.	90	36	1081	120°
RGB B.I.	81	30	1241	120°
RGB C.I.	81	30	1241	120°

"New Generation"

120° Light Spectrum

2 years Parts WARRANTY

"ECOSlimLED" Bulbs for PAR56 Replacement Kit - RGB



"ECOSlimLED" Underwater Light Bulb - Replacement Kit - RGB changing Color.
Complete with 72 SMD LEDs: Polycarbonate light body, epoxy PCB and 2 x 0,75 mm cable of 1,5 m length and adapter kit. 120° - IP68. For built in PCB models there are 13 different lighting patterns. For central PCB models there are 16 different lighting patterns. Lighting patterns are changed by remote control (optional).
The light can be used as a replacement bulb for LED conversion of all PAR56 products available on the market.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 Built-in Control replacement kit	**051150ER**	**91,00**	1		
72 Central Control replacement kit	**051151ER**	**49,00**	1		
72 Self Control replacement kit	**051150ERSC**	**117,00**	1		

"ECOSLIMLED" BULBS

Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	72	20	671	120°
RGB C.I.	72	20	671	120°
RGB S.C.	72	20	671	120°









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PAR56 LED Bulbs - RGB - With SMD LED

2 years Parts WARRANTY



Rainbow PAR56 LED bulb. Polycarbonate body. For built-in PCB models RGB 13, for central PCB models RGB 16 different lighting patterns. Changing programs with switch on and off. For built-in control bulbs two-core cable infrastructure and for central PCB bulbs four-core or twocore cable infrastructure together with a central control pannel is required. It is recommended to use central control models to avoid syncronization problems in systems with more than 10 lamps, 50.000 hours long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

PAR56 "SMD" LED BULBS				
Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	63	15	550	120°
RGB C.I.	63	15	550	120°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 63 Built in Control	**0531201**	**107,00**	1		
Rainbow 63 Central Control	**0531202**	**73,00**	1		

120˚ Light Spectrum



Rainbow PAR56 LED bulb. Polycarbonate body. For built-in PCB models RGB 13, for central PCB models RGB 16 different lighting patterns. Changing programs with switch on and off. For built-in control bulbs two-core cable infrastructure and for central PCB bulbs four-core or twocore cable infrastructure together with a central control panel is required. It is recommended to use central control models to avoid syncronization problems in systems with more than 10 lamps, 50.000 hours long life. **Self RCU control models has a built in PCB system with inside remote control reciever. With one remote, max 6 lights can work with synchronization. Remote control i not included in price of the bulb.** To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

PAR56 "SMD" LED BULBS				
Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	252	30	900	120°
RGB S.C.	252	30	454	120°
RGB C.I.	252	30	900	120°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 252 Built in Control	**0531211**	**184,00**	1		
Rainbow 252 Self RCU Controlled	**0531211SC**	**146,00**	1		
Rainbow 252 Central Control	**0531212**	**116,00**	1		

Note: Bulbs with "Flat Transparent Glass" fronts are available, please add F to the end of the above product codes.

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PAR56 LED Bulbs - RGB - Power LED

2 years Parts WARRANTY

80° Light Spectrum

Rainbow PAR56 LED bulb. Polycarbonate body. For built-in PCB models RGB 13, for central PCB models RGB 16 different lighting patterns. Changing programs with switch on and off. For built-in control bulbs two-core cable infrastructure and for central PCB bulbs four-core or twocore cable infrastructure together with a central control pannel is required. It is recommended to use central control models to avoid syncronization problems in systems with more than 10 lamps, 50.000 hours long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 9 Built-in Control	0532322	147,00	1		
Rainbow 9 Central Control	0532321	120,00	1		

Note: Bulbs with "Flat Transparent Glass" fronts are available, please add F to the end of the above product codes.

PAR56 "POWER" LED BULBS

Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	9	23	893	80°
RGB C.I.	9	23	893	80°

140° Light Spectrum



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 18 Built in Control	0532121	158,00	1		
Rainbow 18 Central Control	0532721	154,00	1		

PAR56 "POWER" LED BULBS

Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	18	23	848	140°
RGB C.I.	18	23	848	140°

140° Light Spectrum



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 27 Built in Control	0532122	174,00	1		
Rainbow 27 Central Control	0532722	132,00	1		
Rainbow 27 Built in Control - Alu. Body	0532223	215,00	1		
Rainbow 27 Central Control - Alu. Body	0532224	177,00	1		

Note: Bulbs with "Flat Transparent Glass" fronts are available, please add F to the end of the above product codes.

PAR56 "POWER" LED BULBS

Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	27	35	1038	140°
RGB C.I.	27	35	1038	140°
RGB B.I.	27	70	4225	140°
RGB C.I.	27	70	4225	140°

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PAR 56 LED BULBS - RGBW
Single and Multi Color with Power LED

Brand New Concept

140˚ Light Spectrum



White and RGB together

Rainbow 30 and Rainbow 50 PAR 56 LED Bulb - 140°.
Made of 18 RGB plus12 white led. The Light can work not only with RGB led programs, but also with only white led lights. It also has an option to light the white leds, with RGB leds all together. In this case, the white light intensity can be maximized. Polycarbonate body. In Built-in PCB system, it is RGB 13+1 white, in Central PCB system, it is RGB 16+1 white different light patterns. On-off, enables changing the program. For built-in PCB systems 2 core cable, for Central PCB systems 4 core cable and central control panels are required. When there is more than 10 LED Bulbs, not to have problems in synchronisation during long hours of working, Central PCB Systems model should be chosen. To ensure longer life, all light circuits have heat sensitive **Automatic Current Control.** Light specificatioms on the table are with RGB and white leds working at the same time.

PAR56 "POWER" LED BULBS				
Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGBW B.I.	30	31	1779	140°
RGBW B.I.	30	50	2525	140°

Built in Control System Led Bulbs

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Rainbow 30	0532123	197,00	1		
Rainbow 50 - Aluminium Body	0532226	268,00	1		

Power LED Bulb Lens

2 years Parts WARRANTY

Power LED Lenses.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
30º Lens	0532001	2,10	1		
45º Lens	0532002	2,10	1		
60º Lens	0532003	2,10	1		

PAR38 LED Bulbs - RGB - SMD LED





2 years Parts WARRANTY

120˚ Light Spectrum

Rainbow PAR38 72 SMD LED Bulb.
Polycarbonate body, RGB 16 different light alternatives, changing programmes with switch on and off.
50.000 hours long life. To ensure longer life, all the light circuits have heat sensitive **Automatic Current Control.**

72 PAR38 "SMD" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	72	8	316	120°
RGB C.I.	72	8	316	120°

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Built-in control - 8 W	0532523	89,00	1		
Central control - 8 W	0532524	51,00	1		

Mini LED - RGB - SMD LED

120˚ Light Spectrum

Rainbow 36 SMD LED bulbs. Different RGB light modes, AC-DC 11-14V.
(Central control panel is obligatory for applications with multiple bulbs.)

36 "SMD" LED AMPULLER				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m²)	Light Angle
RGB B.I.	36	6	75	120°
RGB C.I.	36	6	75	120°

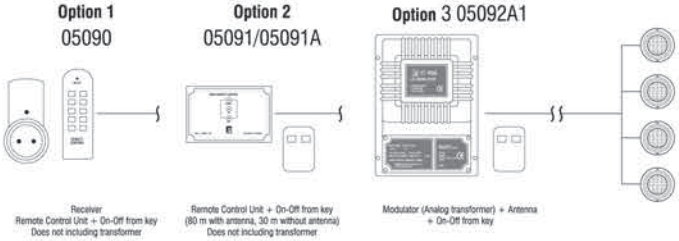
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Built-in control - 4 W	0532631	90,00	1		
Central control - 4 W	0532622	57,00	1		

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Single Color LED Bulbs - Control Systems

Single color LED lights used in swimming pools can be controlled with remote control systems. The control devices in question are divided into 2 main groups, with and without transformer. Transformer receivers (Modulator) can be analog or electronic transformers. Transformers are inside the antenna receiver unit. In cases where the capacity is not enough, the increase in capacity can be achieved with the help of additional transformers. There is an analog transformer control system on our list. An electronic transformer system can be made upon request.

System Connection Scheme



Single Color Bulb Control Panels and Remote Controls

"Modulator for Single Color LED Light" complete with 220 V input, 12 V output, radio wave-antenna remote control receiver, **200 W** analog transformer and 2 key remote control switch. It can be connected in parallel with the conventional transformer for added power. **It is installed with two-core cable.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Modulator for Single Color LED Light	**05092A1**	**190,00**	1		

REMOTE CONTROL DEVICES FOR SINGLE COLOR LED LIGHTS

Remote Control. Used for LED lights with built-in PCB. Changes the program of a group of light easily by switching on and off, without going to the engine room. The reach of the model is 30 m without the antenna and 80 m with antenna. Power capacity for all of the models is 1,1 kW.



05090



05091A

05091AY01

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Receiver with the plug + remote control key	**05090**	**109,00**	1	0,200	
In-line receiver+remote control key	**05091**	**117,00**	1		
05091, with antenna	**05091A**	**130,00**	1		
Remote Control Unit	**05091AY01**	**31,00**	1		
Two Terminal Panel 2 with 4 button Remote Control	**05092A3**	**130,00**	1		
05092A3's Panel Type	**05092A3P**	**171,00**	1		



05092A3



05092A3P

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RGB LED Bulbs - Control Systems



05073231



05073221



05073221S

LED lights with changing RGB colors and light attractions can be installed with different techniques. The basic difference between the lights is the method it uses to control the light changes and the harmony in the light attractions. This control can be maintained separately for every light by an integrated PCB (printed circuit board) as in built-in PCB models. Alternatively, there can be a central PCB installed in a central control panel, to regulate all the lights centrally.

Central PCB models are the definite solution to the synchronization problems that occur in multi-light systems (>10 lamps) in long time operation. Hence they are recommended in multi-light systems. These kind of control panels are suitable for a limited number of lights. For larger quantities, adequate number of satellite panels should be installed.

Changing the light program of the lights is realized by switching the system on and off with a remote control. Before doing this, the system should be operating for at least 1-2 minutes. In lights with built-in PCB, all the lights are tied to a plug with remote control receiver

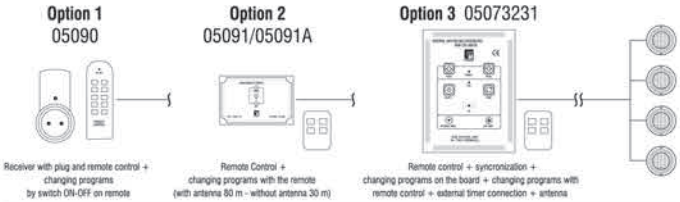
(1) or a board with a receiver

(2). These receivers make sure that the light program has changed for all the lights by switching them on and off with the command from the remote control. As the distances between the PCBs in the lights and the receiver are different, synchronization problem may occur in operations longer than 2 hours. In case of this problem, the system should be switched off, and be switched on again after 7-13 seconds. After this, all lights continue working simultaneously with the same program. There is also a special board

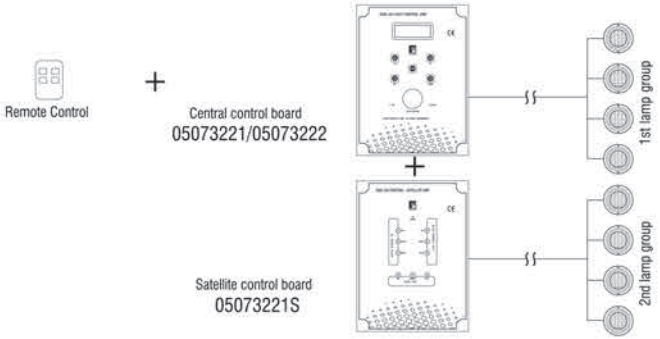
(3) that facilitates this synchronization. This board also has a remote control and receiver, and can control back and forth movement between light programs. An external timer can also be installed in this panel.

In central PCB systems receiver is installed within the board and controls a single central PCB. In this systems, the synchronization of the light programs never spoil.

BUILT-IN PCB SYSTEM CONNECTION DIAGRAM



CENTRAL PCB SYSTEN CONNECTION DIAGRAM



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RGB LED Lights Control Panels and Remote Control Devices

Light Modulator for RGB Color and Single Color Led Lights. Complete with 220 V input, 12 V output, radio remote control receiver, antenna and 4-key remote-control switch. Synchronization with one button, on-off button, reset button, program change buttons via control switch. **It is a 200 W Analog Transformer,** it can be connected in parallel with a conventional transformer for additional power. **Installed with two-core cable.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
LED Modulator, for RGB LED	05092A	190,00	1		
4- Button Remote Control, for RGB LED	05092A3Y01	31,00	1		

Built-in Two-terminal Light modulators for RGB changing Color LED. Complete with 220 V input-output, radio remote control receiver, antenna and 4-button remote control. Synchronization with a single button on the panel and the remote control (Panel 1) or only on the remote control (Panel 2). On-Off button, reset button, program change buttons. Connections for an external timer. **Installed with two-core cable. There is no Transformer on the panel, can be installed with analog or electronic transformers (= Satellite Panel).**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Two Terminal Panel 1 with 4 button Remote Control	05073231	260,00	1		
Two Terminal Panel 2 with 4 button Remote Control	05092A3	130,00	1		
05092A3's Panel Type	05092A3P	171,00	1		





Central Control Panel with Four Terminals for RGB LED Bulbs: LED light control panel complete with 200 V inlet / 12 V outlet, **200 W electronic transformer,** remote control and radio wave receiver. Central control with 16 different light programs. Connections for external timer. **To be established with four core cable infrastructure.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Board I with four terminals	05073221	552,00	1		
Satellite board*, for four terminals	05073221S	473,00	1		

* Electronic transformer.



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Transformers - 230/12V

300 W / 230 - 12 V Outlet Transformer.
Housing made of heat resistant plastic. Gasket sealed lid. Input with glass fuse, outlet with special connection terminal. Complete with hardware necessary for fixing on the wall. Winding is completely sealed in polyurethane for humid rooms. IP65.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	05073	91,00	1	4,000	0,003

100 W / 230 - 12 V outlet. Plastic housing, polyurethane isolation.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
IP65	05067	65,00	1		0,007



05069

50 W / 220 - 12 V outlet.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	05069	56,00			

300 W / 230 - 12 V Outlet. Housing made of resistant plastic. 220 V input with glass fuse.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
IP20	05074	57,00	1	5,050	0,007
Ditto, w/polyester isolation, IP65	05074P	74,00	1	6,250	0,007
400 W / 230 - 12 V Outlet	05078P	86,00	1		



2 X 300 W = 600 W / 230 - 12 V Outlet.
Housing made of heat resistant plastic. Two 300 W/12 V underwater lamp can be connected.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
IP65, w/polyester isolation	05063	157,00	1	7,200	0,008

300 W / 230 - 13-14-15-16 V with cascade output. (No load through transformer).
Housing made of heat resistant durable plastic. Connection compartment has a sealed cover. Outlet with special connection terminals, 230 V input with glass fuse. Supplied with bolts + plugs to hang on the wall and spare glass fuse. Designed for installations where the lamp and transformer are remote. 2 x 6 cable type allows for connection up to 50 meters apart. Model 05062P is for highly humid engine rooms.
Winding is completely insulated with polyurethane. (See Selection Chart)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	05062	115,00	1	6,100	0,007
Fully insulated	05062P	138,00	1	7,800	0,007

300 W-220/13"14"15"16" V OUTPUT, SELECTION TABLE
FOR OUTPUT VOLTAGE (VOLTS) FOR STEP-UP TRANSFORMER

CABLE TYPE	DISTANCE BETWEEN TRAFO & LAMPS (m)							
	3-6-9	12	15	18	21	24	27	30
2 x 4	13	15	15	16	16	-	-	-
2 x 6	-	13	13	14	14	15	16	16

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Transformatörler - 230/24V

230 V - 24 V Outlet Transformer. Plastic box, wall mounted.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
150 W - IP20	**05064**	**86,00**	1	4,600	0,007
300 W - IP20	**05065**	**119,00**	1	5,900	0,007



600 W / 230-24 V Outlet Transformer. Plastic box, wall mounted.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
IP20	**05066**	**180,00**	1	7,400	0,008

Bulbs for Underwater Lights

PAR38 - 150 W/24 V Bulb.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PAR38 - 150 W/24 V Bulb	**05021001**	**21,00**	12	4,916	0,003



05021001

100 W/12 V Halogen Bulb.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
100 W/12 V Halogen Bulb	**05113002**	**8,00**			



05113002



50 W/12 V Halogen Bulb.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
50 W/12 V Halogen Bulb	**0511207**	**6,00**	50	2,000	0,007

0511207

Sandwich Gasket for Underwater Lights

Sandwich gasket for underwater lights.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Standard 2002 Underwater light	**05211401S**	**10,00**	1	0,800	



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Installation Equipment for Underwater Lights



Junction Box. Made of white ABS plastic. Connections are for "05051" conduits. Two main and two back-up connections.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Junction Box	**05040**	**10,60**	8	2,610	0,016



05051



05051T

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Hose Conduit	**05051**	**6,50**	50	9,100	0,070
Ditto, with threaded ends.	**05051T**	**7,20**	50		

Hose Conduit. Spiral wounded-transparent and blue PVC hose of 3/4".

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Transparent- price per meter	**05053**	**4,40**	50	9,100	0,070
Blue- price per meter	**05054**	**3,40**	50	5,200	

Underwater Light Cable.



05111062

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 x 1,5 TTR price per meter	**05111062**	**1,70**	100 m		
2 x 4 TTR price per meter	**0511106**	**6,70**	100 m	21,200	
2 x 6 TTR price per meter	**05111061**	**9,10**	100 m	30,400	

Special tube used for underwater joints of the lamp cables.
Can be used with cables with a diameter between 1,2 - 3 mm. After the copper joint, the cable should be wrapped with electric band, and then be isolated with the underwater tube by heat treatment.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Ø1,2 - 3 mm cables, price per meter	**050831**	**16,00**	1		

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Electronic Switches

Flow Switch, 1,5 m cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Flow Switch 1 (Floater Type)	**05081**	**39,00**	1		
Flow Switch 2 (Paddle Type)	**05083**	**42,00**	1		

Note: Flow Switch 1 'Floater' gives a 'no flow' signal when the floater is in the horizontal position.



Floater Switch. Made of PP. For on-off control of the level controlled device. 30 cm cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Floater switch	**05082**	**28,00**	1		



Pneumatic Switch. Up to 1 HP. Detects air flow or the absence of air flow through the button.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pneumatic Switch	**156871**	**16,00**	1		



Wired and Wireless Remote Controls

Pneumatic Switch Board. For threephase pumps up to 4 kW (excluding). Complete with contactor and fuse. Ready installed in plastic box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pneumatic switch board	**05080**	**234,00**	1	0,748	0,003



Pneumatic Button For Underwater Installations Through the Wall: For the control of electrical equipment inside the pool. Complete with special wall conduit + cable outlet. Can be used with 05080 to be effective up to 30 m.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pneumatic Button For Underwater	**05080B**	**74,00**	1	0,650	0,004



WIRED REMOTE CONTROL FOR LIGHTING AND / OR POOL EQUIPMENT.
Used for remote wired control of lights, pumps, heaters or similar equipment. It has three outputs. Max for each output power capacity is 1.15 kW / 5 A. Cable distance is 3.0 m standard. Order for longer distances.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Three Function Button + Driver	**15233**	**131,00**	1		
Three Function Button	**15231**	**30,00**	1		
Single Function Button + Driver	**15234**	**122,00**	1		
Single Function Button	**15232**	**30,00**	1		
Driver	**15230**	**101,00**	1		



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Wired and Wireless Remote Controls



REMOTE CONTROLS FOR LED LIGHTS OR POOL EQUIPMENT.

Used for remote control of lamps, pumps, heaters or similar equipment. Single output. Max. power capacity is 1,15 kW / 5 A. Control range is 80 m in open air. There may be a reduction in range in underground engine rooms. Does not include a transformer.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
In-Line Receiver and Remote Control	**05091A**	**130,00**	1		
Remote Control Handset only (2 button)	**05091AY01**	**31,00**	1		



050700

WI-FI REMOTE CONTROL FOR LIGHTING AND / OR POOL EQUIPMENT.

Used for remote wired control of lights, pumps, heaters or similar equipment. It has two outputs. Max for each output power capacity is 1,15 kW / 5 A. The control range is limited through internet browser by the Wi-Fi range. Controlled via screen commands with computers or smartphones through internet browser.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
WiFi Type Panel Unit	**050700**	**81,00**	1		

Electrical Control Boards



050712T

With contactor. Electric control board; made of injection plastic, resistent to dust and impacts, closed type board with decorative look. For threephase and monophase pumps of up to 4 kW (exclusive). All boards have Siemens contactors and thermal magnetic switch board protection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 triphase pump + 1 group of lights	**050711**	**319,00**	1	3,300	0,017
Ditto, w/timer	**050711T**	**407,00**	1	3,500	0,017
Ditto, w/200 W Analog Transformer	**050711TT**	**578,00**	1		0,017
1 triphase pump + 2 groups of lights	**050712**	**349,00**	1	3,594	0,017
Ditto, w/timer	**050712T**	**419,00**	1	3,725	0,017
2 triphase pumps + 2 groups of lights	**050713**	**592,00**	1	4,382	0,017
Ditto, w/timer	**050713T**	**748,00**	1	4,580	0,017

Note: Please ask for the price for your special boards.



050712T

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 Monophase Pump+1 group of lights	**050721**	**338,00**	1	3,300	0,017
Ditto, w/timer	**050721T**	**407,00**	1	3,500	0,017
Ditto, w/200 W Analog Transformer	**050721TT**	**599,00**	1		0,017
1 Monophase Pump+2 group of lights	**050722**	**341,00**	1	3,594	0,017
Ditto, w/timer	**050722T**	**419,00**	1	3,725	0,017
2 Monophase Pump+2 group of lights	**050723**	**598,00**	1	4,382	0,017
Ditto, w/timer	**050723T**	**684,00**	1	4,580	0,017

Note: For special panels with phase protection and circuit breakers etc, please ask for price.

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Pool Control Mono/Tri - Elektronic Control Boards

"POOL CONTROL MONO". Fully electronic, 7 segment display, pool electrical control panel. It controls single-phase pumps from 0.33 Hp to 2.0 Hp and 1 group of 100 W / 12 V lights (up to 4 pieces). Complete with 100 W or 200 W / 12 V Analogue transformer.

"POOL CONTROL TRI". Fully electronic, 7 segment display, pool electrical control panel. It controls tri-phase pumps up to 0.33 Hp and 1 group of 100W / 12V lights (up to 4 pieces). Complete with 100 W or 200 W / 12 V Analogue transformer.

2 years Parts WARRANTY





050731101

Technical Specifications:

- Controlled automatic operation is possible for pumps and lights. While the system is operating, it can pass from automatic control to manual or manual control to automatic without interrupting the system.
- **Wrong Connection Protection:** In case of a wrong connection in the connection box of the motor, it gives a short circuit warning and prevents the motor from starting. It stops the motor in case of a short circuit in the motor windings for any reason. (For example, the motor is submerged)
- **Thermal Current Protection:** The current drawn by the motor can be defined with a precision between 10% and 50%. In case of excessive current out of tolerance, the motor is disabled.
- **Closed Valve Protection:** It deactivates the motor using current control if the valves in the pump suction and / or discharge lines are closed by error. Thus, it eliminates the risk of damage caused by overheating.
- **Ampere Reading:** It allows seeing the current drawn by the pump motor at any time. All controls are disabled in this mode.
- **Working Time:** Possibility to see the total working time as year-month-day-hour-minute on the indicator from the first commissioning of the pump. Also uninterrupted working time display from last on.
- **Time Counter:** Possibility to start-stop the pump automatically for the desired time with the help of the meter.
- **Light Control and Toroidal Transformer:** 1 group 100 W or 200 W / 12 V light output and Toroidal transformer.
- **Spare Pump Connection:** Possibility of conversion to spare pump with a button.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pool Control Mono; (Max. 100 W)	**0507311**	**406,00**	1		
1 Pump (+1 spare)+1 Gr. Light					
050731, (Max. 200 W)	**0507312**	**506,00**	1		
Pool Control Tri; (Max. 100 W)	**0507311T**	**598,00**	1		
1 Pump (+1 spare)+1 Gr. Light					
0507311T, (Max. 200 W)	**0507312T**	**661,00**	1		
Modul Control	**050731101**	**201,00**	1		
Modul Control w/smartphone Wi-Fi app.	**050731101WF**	**P.A.P.**			

"IF THE POOL CONTROL MONO / TRI IS PURCHASED AND INSTALLED WITH GEMAS MONOPHASE PUMPS, THE PUMP WARRANTY PERIOD IS EXTENDED FOR 2 YEARS FREE OF CHARGE."

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ISAVER - Pool Pump Frequency Inverter

"New Inverter Technology"

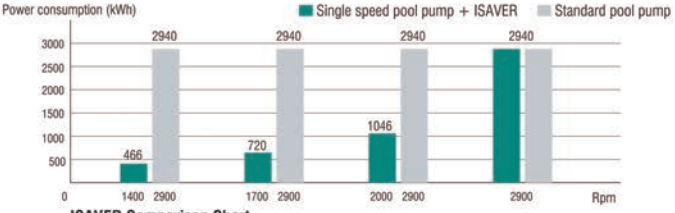
2 years Parts WARRANTY



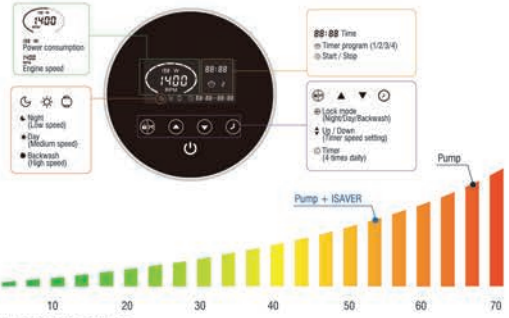
GEMAS "ISAVER". The first "Touch Screen" frequency inverter manufactured in the pool industry. By adjusting the running speed of the pool pump, it delivers significant electricity savings and silent operation. In addition, it allows automatic operation adjustment with different cycles in 4 different time intervals during the day. Consumption power values corresponding to the revolutions set are displayed on the screen. It is also possible to adjust the speed during operation. There are different models of the device for three-phase and single-phase motors as shown in the table below. Max. capacity is 2,2 kW. There are dry contacts inside the device for different types of external controls.

PROVIDES SIGNIFICANT ENERGY SAVING.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
ISAVER 1100	0111INV1100	486,00	1		
ISAVER 1100C	0111INV1100C	486,00	1		
ISAVER 2200	0111INV2200	536,00	1		
ISAVER 2200C	0111INV2200C	536,00	1		



ISAVER Comparison Chart



TECHNICAL SPECIFICATIONS

MODEL	ISAVER 1100	ISAVER 2200	ISAVER 1100C	ISAVER 2200C
Operating Temp.	-10 ~ 40°C	-10 ~ 40°C	-10 ~ 40°C	-10 ~ 40°C
Input Power	1ph AC	1ph AC	1ph AC	1ph AC
Input Voltage	220V~240V	220V~240V	220V~240V	220V~240V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Output Voltage	Mono, 0~240V	Mono, 0~240V	Tri, 0~240V	Tri, 0~240V
Output Power	Max 1.1kW	Max 2.2kW	Max 1.1kW	Max 2.2kW
Output Current	Max 6A	Max 12A	Max 4.5A	Max 8A
Pump Type	Monophase	Monophase	Triphase	Triphase
Speed Range	1200 ~ 2900 rpm			

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Control Boards - Level Control

LEVEL CONTROL BOARD; Full electronic balance tank level regulator control system. Complete with electronic floater.



Technical Characteristics:

- **Overflow Control:** In case of an overflow of balance tank, sends signal to sound alarm system and/or balance tank suction motorised valve, alarms and/or prevents the overflow.
- **Lower Level Control:** When there is no water in the balance tank, sends signal to pump contactor and terminates the pump operation.
- **Upper Level Control:** In case a water shortage in the balance tank, device controls the selenoid valve of the main water line and automatically delivers water to the system.



MODELS:

Level Control I, Automatic water top up.
Complete with 3/4" selenoid valve and 1 electronic floater.
Level Control II, Automatic water top up and overflow alarm.
Complete with 3/4" selenoid valve, 2 electronic floater and sound alarm.
Level Control III, water top up, lower level and overflow alarm.
3/4" selenoid valve, 3 electronic floaters and sound alarm.
Overflow Control, Can be supplied by Ø50 or Ø63 motorized ball valve addition.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Level Control I	**050741**	**441,00**	1	0,500	0,002
Level Control II	**050742**	**525,00**	1		
Level Control III	**050743**	**550,00**	1		
For Overflow Control;					
Ø50 mm motorized ball valve	**131115M**	**465,00**	1		
Ø63 mm motorized ball valve	**131116M**	**584,00**	1		



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Automatic pH - Cl (Redox) Controller



06311N

NEW !



06312N

NEW !



06311E



Sensor Holder

GEMAS POOL DIRECTOR (Automatic pH-Redox Conroller). Complete with electrodes, electrode cable, flow cell, on-line strainer and buffer solutions. Microprocessor controlled. Installed on a 507 x 705 plastic panel. Dosing pump spaces reserved on panel. Operation instructions are mentioned and a space for assembling of the metering pump is reserved on the panel. Wi-fi communication is optional. **Dosing pumps excluded.**

Technical Features:

- Microprocessor technology
- Touch-operated keypad
- ON-OFF and rational operation modes can be selected for pH and ORP separately
- Automatic calibration with chosen calibration solution
- Optional heat sensor
- Optional dosing pump level control
- Optional flow switch for flow control
- RS232 or RS485 outlets for optional DATA transfer
- Optional Wifi communication



05083



05082

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pool director - with board	06311N	731,00	1		
Pool director - w/out board	06312N	411,00	1		
Additional heat sensor	063212N	60,00	1		
Additional dosing pump level control	05082	28,00	1		
Additional Flow Switch	05083	42,00	1		
Wifi option	063216	50,00	1		

GEMAS POOL DIRECTOR ECO (Automatic pH-Redox Conroller). Complete with two 1.5 lt/h - 1 bar peristaltic dosing pumps, electrodes, electrode cable, sensor holder, fixing accessories and buffer solutions. Microprocessor controlled. Wi-fi communication is optional. **Please ask price for larger capacity dosing pumps.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Monoblock Peristaltic Dosing Pump	06311E	690.00	1		
Additional heat sensor	063212N	60,00	1		
Additional dosing pump level control	05082	28,00	1		
Additional Flow Switch	05083	42,00	1		
Wifi option	063216	50,00	1		

Free-Chlorine and pH Controller



GEMAS pH and Free Chlorine Controller. Free-chlorine and pH electrode fully assembled on the panel. Complete with flow switch, flow meter with proximity switch, acrylic Flow Cell, pHFree Chlorine - Temperature Sensors, Calibration solutions and Mounting Kit. IP65 protection, Residual chlorine ppm (= mg / l), redox (=mV) and pH measurement and control system. It can be remotely controlled from the mobile phone with the optional Wi-Fi module. It also shows instant water temperature. Dosage pumps can be mounted on the panel. **Dosing pumps are not included in the price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	06420	1.875,00	1		

Free chlorine and pH in public swimming pools according to DIN 19643 (additionally REDOX should be preferred.) Automatic Control System is compulsory. FCL sensor is amperometric. Ionselective sensor can be produced upon request.

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Free-Chlorine and pH Controller

GEMAS pH, Redox and Free Chlorine Controller. Free-chlorine and pH electrode fully assembled on the panel. Complete with flow switch, flow meter with proximity switch, acrylic Flow Cell, pH-Redox - Free Chlorine - Temperature Sensors, Calibration solutions and Mounting Kit. IP65 protection, Residual chlorine ppm (= mg / l), redox (=mV) and pH measurement and control system. It can be remotely controlled from the mobile phone with the optional Wi-Fi module. It also shows instant water temperature. Dosage pumps can be mounted on the panel. **Dosing pumps are not included in the price.**



	Code	List Price Euro	Pieces/ box	Weight Kg	Wolume m^3
Description	06422	2.173,00	1		

Free chlorine and pH in public swimming pools according to DIN 19643 (additionally REDOX should be preferred.) Automatic Control System is compulsory. FCL sensor is amperometric. Ionselective sensor can be produced upon request.

Monoblock Automatic Control Systems with Dosing Pumps

GEMAS Monoblock Measurement and Dosing Unit. IP65 digital indicator, Complete with 10 l/h - 2 bar dosage pump integrated pH and ORP dosage units, sensors, sensor holders, calibration solutions. Assembled on panel.



Technical Specifications:
- Microcontroller technology
- Automatic calibration with the selected calibration fluid
- Optional dosing pump level controls
- "Flow Switch" for optional flow control

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Wolume m^3
	065MD03	2.369,00	1		

GEMAS Monoblock Measurement and Dosing Unit. IP65, digital indicator, integrated with 10 l/h - 2 bar dosage pumps. Complete with sensor, sensor holders, calibration solutions. PVC pump body, seramic valve.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
pH	065MD01	540,00	1	3,164	0,009
ORP	065MD02	540,00	1	3,156	0,009

Pool Info Panels

POOL INFO PANELS.
Digital panels; indicating the info transferred from "Pool Director" through RS485 input. Four lines indicating pH, ORP, pool water temperature, ambient temperature (PANEL I)+Sliding announcement feature with PC connection (PANEL II). h=160 mm characte (can be easily seen from 60 m). h=160 mm character (can be easily seen from 60 m). Suitable for outdoor use. Main supply 220 V AC. Sliding info program is included.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PANEL I ; h=160 mm character ~640 x 640 x 90 mm	0632142	1.253,00	1		
PANEL II ; h=160 mm character ~1280 x 480 x 90 mm	0632152	1.499,00	1		

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Dosing Pumps



GEMAS Dosing Pump. Membrane type. Analogue. Manually adjustable from %10 to %100.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 lt / h - 12 Bar	06MD0212	266,00	1	3,092	0,009
3 lt / h - 11 Bar	06MD0311	266,00	1	3,092	0,009
5 lt / h - 9 Bar	06MD0509	266,00	1	3,092	0,009
8 lt / h - 5 Bar	06MD0805	266,00	1	3,092	0,009
10 lt / h - 4 Bar	06MD1004	266,00	1	3,092	0,009
15 lt / h - 2 Bar	06MD1502	266,00	1	3,092	0,009



GEMAS Vertical Dosing Pumps. Membrane type. Analoque. Manually adjustable from %10 to %100. Easily mounted on the chemical container.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 lt / h - 12 Bar	06T1202AB11	261,00	1	3,092	0,009
6 lt / h - 8 Bar	06T0806AB11	261,00	1	3,092	0,009
11 lt / h - 3 Bar	06T0311AB11	261,00	1	3,092	0,009
22 lt / h - 2 Bar	06T0222AB11	261,00	1	3,092	0,009



GEMAS Dosing Pump. Peristaltic type. Analogue. Manually adjustable from %10 to %100.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1,5 lt / h - 1 Bar	06PD0302	???	1		
3 lt / h - 1 Bar	06PD0301	???	1		

Dosing Pumps Capacity Calculation

Chosing the Dosing Pump:

A- Daily Chlorine Requirement:

1- Loss From Swimmers: The number of swimmers should be determined or estimated. This number should be considered according to busiest day. Daily loss per swimmer in meditarranean region is 10 gr/day.

2- Loss From Sun Light (The Destructive effects of UV light on chlorine): This loss is on average 2,5 gr per each pool m^3 in meditarranean belt.

Daily Chlorine Requirement (gr)= The Number of Swimmers x 10 gr + Pool Volume (m^3) x 2,5 gr For example: The Pool that 250 swimmer's daily use and 1000 m^3 pool volume. Daily Chlorine Requirement = 250 x 10 gr + 1000 m^3 x 2,5 gr/m^3 = 5000 gr

B- Determining The Capacities of Chlorine and Dosing Pumps:

*** Minimum Dosing Pump Capacity (l/h) =** Daily Chlorine Requirement (gr/day) x 0,0015 It depends on the fact that the determined capacity equals to the daily need of chlorine with %12 sodium hypoclorid get dosed 12 hours period. If dosing period is wanted to be shortened, the capacity should be increased with same level of shortining. For example; dosing period is chosen at 8 hours, total capacity 12/8 = 1,5 times increased. The same capacity is also enough for PH pump. Pump pressure loss should be chosen minimum 2 bars.

C- Determining The Capacity of Flocculant Dosing Pump:

Flocculant should be dosed as far as possible from filter. It's suggested to be dosed from pump outlet.

*** Minimum Capacity of Dosing Pump:** Pool Circulation Flow (m3/h) x 0,002 The dosing that technically required is to give enough quantity continuously. Too much and too fast dosing would cause blur of the pool water. Pump pressure loss should be chosen minimum 2 bars. For example; a pool which has 100 m3 flow, flocculant dosing pump capacity (l/h) = 100 m3/h x 0,002 = 0,2 l/h. In this case the dosing pump which has 2 l/h capacity should work with %10.

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Chemical Drums

Polythene Chemical Drums.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
100 l	**06811**	**93,00**	1	5,086	0,145
200 l	**06812**	**140,00**	1	8,110	0,285


06811 06812

Chemical Drum Mixers

Manual Mixer. Made of PVC Plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	06831	**39,00**	1	0,260	0,001



Motorized Fast Mixer. Made of PVC plastic. 1400 rpm speed fast mixer.
0.18 KW / 220 V / 50 Hz. Shaft length: 600 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Fast Mixer	**06832**	**698,00**	1	10,260	0,137

Motorized Slow Mixer. Made of PVC plastic. 70 rpm speed slow mixer.
0.13 KW /220 V / 50 Hz. Shaft length: 600 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slow Mixer	**06833**	**803,00**	1		


06833

Spare Parts for Control Systems - Sensors

pH ELECTRODE : Complete with cable and, BNC socket.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	06611	**56,00**	1	0,124	0,0006



REDOX ELECTRODE : Complete with cable and, BNC socket.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	06612	**73,00**	1	0,920	0,0006



Free Chlorine Electrode, ion selective. 0 - 5 ppm measuring range.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Membrane Replacement	**06420011**	**260,00**	1		
Membrane Electrolite, 50 ccFree	**06420012**	**28,00**	1		
Chlorine Electrode ion selective	**0642001**	**1620,00**	1	0,920	0,0006
F.C. Electrode Amperometric (Open cell)	**0642004**	**P.A.P.**	1		


06420004
06420001

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Spare Parts for Control Systems - Others



Heat sensor with 1,5 m cable

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	063212N	60,00	1		



PVC FLOW CELL : Ø 20 mm, single.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	06631	16,00	1	0,048	



06633

Electrode Cell, Double.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Single	06632	90,00	1		
Double	06633	93,00	1	0,980	



0642015



0642016

Electrode Chamber, Made of injected, triple - Flow Rate Controlled - Complete proximitx switch.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Electrode Chamber for flow, pH, ORP	0642015	125,00	1		
Electrode Chamber for FCL	0642016	90,00	1		



Sensor Holder Made of PVC. Easy connection Ø 63 PVC Tube by Ø 63 Tee. Also includes Ø63-Ø50 mm reducer for Ø50 mm pipe installation.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Sensor Holder for pH and ORP sensors	0642017	40,00	1		



06511



06512

Redox Buffer Solution

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
220 mv - 50 cc	06511	24,00	1	0,032	
468 mv - 50 cc	06512	24,00	1	0,032	



06521



06522

pH Buffer Solution

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
pH 4 - 50 cc	06521	19,00	1	0,032	
pH 7 - 50 cc	06522	19,00	1	0,026	



Dosing pump level control with 1,5 m cable

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	05082	28,00	1		



05081

05083

Flow switch, 1,5 m cable

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Flow Switch 1 (Floater type)	05081	39,00	1		
Flow Switch 2 (Paddle type)	05083	42,00	1		

PS. 05081 Can be used as floater swicth. It will give signal only on open mode not on vertical mode.

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Tablet Chlorine Dosing Systems

CHLORINE DISPENSER.
Made of ABS plastic, floating type tablet chlorine dosing float. Adjustable dosing amount.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Chlorine Dispenser Model 1-7 Tablet	**0619027**	**11,00**	1	0,290	0,004
Chlorine Dispenser Model 2-6 Tablet	**0611504**	**7,50**	1	0,358	0,008
Chlorine Dispenser Model 3-6 Tablet	**06190701**	**11,00**	1		
Chlorine Dispenser Model 4-6 Tablet	**06190701T**	**13,50**	1		
With thermometer.					


619027


0611504


06190701


06190701T

GEMAS CLT-167 CHLORINATOR. ABS body, 2 kg tablet capacity. Dosage adjustment on the device. Used for pools of maximum 95 m^3 capacity. Off-line model can be installed in the pool circulation line with an easy by-pass.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Off - Line	**069CLT167A**	**80,60**	1	1,130	0,012
On - Line	**069CLT167B**	**59,80**	1	0,962	0,012
Chlorinator Base, Inox	**069CLT01**	**74,00**	1		

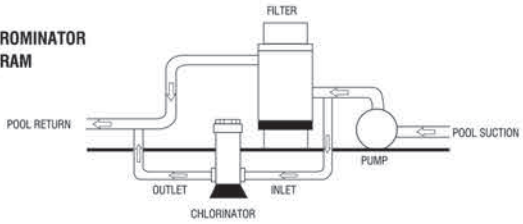

069CLT167A


069CLT167B

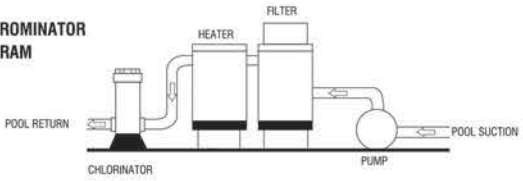
GEMAS CLT-168 CHLORINATOR. ABS body, 4 kg tablet capacity. Dosage adjustment on the device. Used for pools of maximum 150 m^3 capacity. Off-line model can be installed in the pool circulation line with an easy by-pass.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Off - Line	**069CLT168A**	**106,60**	1	1,748	0,017
On - Line	**069CLT168B**	**89,70**	1	1,626	0,017

OFFLINE CHLORINATOR/BROMINATOR ASSEMBLY DIAGRAM



ONLINE CHLORINATOR/BROMINATOR ASSEMBLY DIAGRAM




069CLT168A


069CLT168B

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Puritron GSC Salt-Water Chlorinators





Electrode

Salt Water Chlorinators produce chlorine by electrolysis of pool water with salinity of teardrop. The device has a standart cleaning cycle process (by switching polarity) against calcification inside electrode cell. Numeric screen shows the working percentage and current value in ampers. According to total hardness of the pool water, Switching Polarity Cycle could be arranged from 1 to 8 hours. Factory Setting is once in every 6 hours. Device saves the total working hour. **Electrodes are made of titanium and have a 14.000 hours long life.** It can be installed to every existing pool. All models can be used in seawater. The recommended salinity rate is 4000 ppm (4kg/m³). The approximate salinity in sea water is 35.000 ppm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Puritron GSC-10, 10 g/h	064250	789,00	1		
Puritron GSC-15, 15 g/h	064255	754,00	1		
Puritron GSC-20, 20 g/h	064260	1.032,00	1		
Puritron GSC-30, 30 g/h	064270	1.207,00	1		

Model	Pool Volume (m³)	Cl Prod. (g/h)	Salt (kg/m³)	Voltage (VAC)	Voltage (VDC)	Current DC (A)	Energy Consumption (W)
Puritron GSC - 10	0 - 40	10	4,0	220	24	1,5	125
Puritron GSC - 15	15 - 75	20	4,0	220	24	2,5	130
Puritron GSC - 20	30 - 90	20	4,0	220	24	3,5	150
Puritron GSC - 30	80 - 150	30	4,0	220	24	5,0	200



In addition to the above salt chlorinator specifications, the required software and hardware are added to enable automatic pH control. The device is installed on a panel complete with pH electrodes, electrode flow cell and 2 l/h dosing pump.

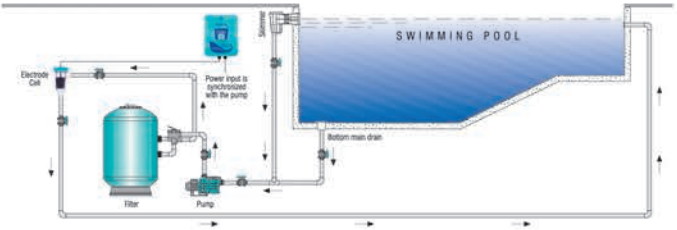
Description	Code	List Price Euro	Pieces/ box	Weight Kg
Puritron-101, with Automatic pH control	064251	1.401,00	1	
Puritron-151, with Automatic pH control	064256	1.525,00	1	
Puritron-201, with Automatic pH control	064261	1.649,00	1	
Puritron-301, with Automatic pH control	064271	1.810,00	1	



In addition to the above salt chlorinator specifications, the required software and hardware are added to enable automatic pH and Redox control. The device is installed on a panel complete with pH electrodes, electrode flow cell and 2 l/h dosing pump.

Description	Code	List Price Euro	Pieces/ box	Weight Kg
Puritron-102, with Automatic pH & redox control	064252	1.472,00	1	
Puritron-152, with Automatic pH & redox control	064258	1.595,00	1	
Puritron-202, with Automatic pH & redox control	064262	1.717,00	1	
Puritron-302, with Automatic pH & redox control	064272	1.887,00	1	

INSTALLATION DIAGRAM:



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Puritron GSCN Salt-Water Chlorinators

NEW !



Salt Water Chlorinators produce chlorine by electrolysis of pool water with salinity of teardrop. The device has a standart cleaning cycle process (by switching polarity) against calcification inside electrode cell. Numeric screen shows the working percentage and current value in ampers. According to total hardness of the pool water, Switching Polarity Cycle could be arranged from 1 to 8 hours. Factory Setting is once in every 6 hours. Device saves the total working hour. **Measures and shows salinity level. New design have on easy access from the front for service and aux connection purposes wifi control over MODBUS. Electrodes are made of titanium and have a 14.000 hours long life.** It can be installed to every existing pool. All models can be used in seawater. The recommended salinity rate is 4000 ppm (4kg/m³). The approximate salinity in sea water is 35.000 ppm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Puritron GSCN-10, 10 g/h	064253	789,00	1		
Puritron GSCN-15, 15 g/h	064243	910,00	1		
Puritron GSCN-20, 20 g/h	064263	1.032,00	1		
Puritron GSCN-30, 30 g/h	064273	1.207,00	1		
Puritron GSCN-50, 50 g/h	064283	2.500,00	1		



Electrode
(except 50 gr/h models)

Model	Pool Volume (m³)	Cl Prod. (g/h)	Salt (kg/m³)	Voltage (VAC)	Voltage (VDC)	Current DC (A)	Energy Consumption (W)
Puritron GSCN - 10	0 - 40	10	4,0	220	24	1,5	125
Puritron GSCN - 15	15 - 75	20	4,0	220	24	2,5	130
Puritron GSCN - 20	30 - 90	20	4,0	220	24	3,5	150
Puritron GSCN - 30	80 - 150	30	4,0	220	24	5,0	200
Puritron GSCN - 50	150 - 250	30	4,0	220	24	10,0	240

NEW !



Inaddition to above Salt Chlarinator specifications, the required software are added to enable automatic pH control. The new compact design allows a monoblock peristaltic pH dosing pump (1.5 lt/h-1 bar) embedded to chlorinator unit. Complete with sensor holder pH sensor and required pipe fittings. Please ask price for larger capacity dosing pumps. (0642932 model is produced with 3lt/h - 1bar pump)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Puritron GSCN-101, pH control	064253	1.261,00	1		
Puritron GSCN-151, pH control	0642432	1.373,00	1		
Puritron GSCN-201, pH control	064263	1.484,00	1		
Puritron GSCN-301, pH control	064273	1.629,00	1		
Puritron GSCN-501, pH control	0642932	2.922.00	1		



Sensor Holder

NEW !



Inaddition to above Salt Chlorinator specifications, the required software are added to enable automatic pH and ORP control. The new compact design allows a monoblock peristaltic pH dosing pump embedded to chlorinator unit. Complete with sensor holder pH and ORP sensor and required pipe fittings. 4 X 20 LCD screen, water tempeture measurement options. Please ask price for larger capacity dosing pumps. (0642932 model is produced with 3lt/h - 1bar pump)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Puritron GSCN-102, pH & redox control	064254	1.341,00	1		
Puritron GSCN-152, pH & redox control	064244	1.453,00	1		
Puritron GSCN-202, pH & redox control	064264	1.564,00	1		
Puritron GSCN-302, pH & redox control	064274	1.709,00	1		
Puritron GSCN-502, pH & redox control	064294	3.002,00	1		

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Puritron On-Line Salt-Water Chlorinators

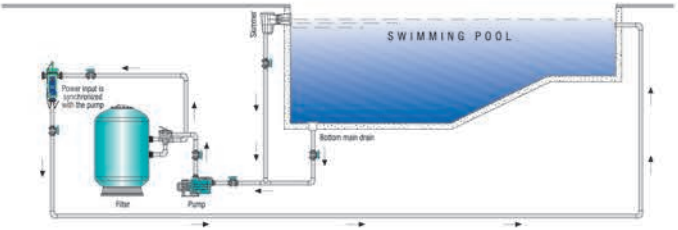


"On-Line" devices with a monoblock body that produce chlorine from salt using electrolysis, providing salt concentration into the pool water at the same rate as tear salinity. The device has the feature to self-clean the electrode against calcification at certain intervals.
Digital screen; temperature value of water; LED display screen shows the working percentage rate. Automatic polarity changing of the electrodes for cleaning purposes which can be adjusted between 1-8 hours according to the hardness level of the water. The factory setting is every 6 hours. During operation, the flow cell is illuminated by colored LEDs. LEDs change color during polarity change. In the event of an alarm, the red-light flashes. The device records the total working hours in its memory.
Electrodes are made of titanium and have an average life of 14,000 hours. It can be easily installed in any existing pool. The device can be mounted on the right or left side, depending on preference. All models can also be used with seawater. Recommended min. salinity rate is 4,000 ppm (4 kg/m^3). The salinity rate in sea waters is 35.000 ppm on average.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Puritron GSCOL-10	**0642500L**	**594,00**	1	5,650	0,035
Puritron GSCOL-15	**0642510L**	**644,00**	1	5,650	0,035
Puritron GSCOL-20	**0642600L**	**694,00**	1	5,650	0,035
Puritron GSCOL-30	**0642700L**	**805,00**	1	5,650	0,035

Model	Pool Volume (m^3)	Cl Prod. (g/h)	Salt (kg/m^3)	Voltage (VAC)	Voltage (VDC)	Current DC (A)	Energy Consumption (W)
Puritron GSC, GSCOL-10	0 - 40	10	4,0	220	24	1,5	125
Puritron GSC, GSCOL-15	15 - 75	20	4,0	220	24	2,5	130
Puritron GSC, GSCOL-20	30 - 90	20	4,0	220	24	3,5	150
Puritron GSC, GSCOL-30	80 - 150	30	4,0	220	24	5,0	200

INSTALLATION DIAGRAM:



Salt for Salt-Chlorine Generators



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Granule Salt, 25 kg	**02317**	**7,00**	1		
Tablet Salt, 25 kg	**02318**	**8,00**	1		

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Puritron Salt-Water Chlorinators

Designed for midsize hotel and apartment complex pools. The device produces chlorine by electrolysis of pool water with salinity of teardrop. It has a standart cleaning cycle process against calcification. **Electrods are made of titanium and have a 20.000 hours long life.** Corrosion resist stainless steel body. Electrods cell made of methacrylate and transparent. It has a LCD screen. Device is switched mode. All models can be used with seawater.

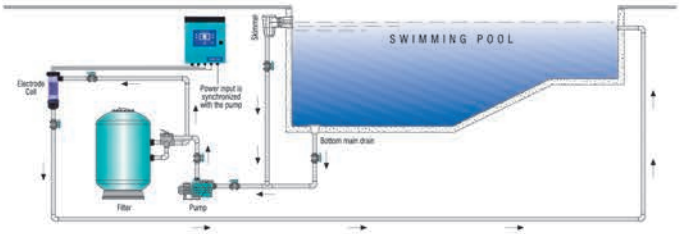


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Puritron GSC - 75	**06435**	**4.212,00**	1	15,000	
Puritron GSC - 100	**06436**	**5.688,00**	1	20,000	
Puritron GSC - 150	**06437**	**8.340,00**	1	25,000	

Model	Pool Volume (m^3)	Chlorine Production (g/h)	Voltage (VAC)	Voltage (VDC)	Current (A)	Power Consumption (W)	PVC Pipe (mm)	Weight (kg)	Device Dimensions (mm)	Cell Measurements (mm)
GSC75	200 - 250	75	220	24 max.	100	350	63	15	300x250x150	140 x 531
GSC100	250 - 300	100	220	24 max.	150	500	90	20	300x250x150	140 x 531
GSC150	300 - 350	150	220	24 max.	200	670	90	25	300x250x150	140 x 531

Note: The above pool capacities have been calculated with the principle that the pool operates for 12-14 hours per day.

INSTALLATION DIAGRAM:





Salt - Water Chlorinator Capacity Measurement:

A- Daily Chlorine Requirement:

1- Loss From Swimmers: The number of swimmers should be determined or estimated. This number should be considered according to busiest day. Daily lost per swimmer in meditarranean Region is 10 gr/day.

2- Loss From Sun Light (The Destructive effects of UV light on chlorine): This lost is on average 2,5 gr per each pool m^3 in meditarranean belt.

Daily Chlorine Requirement (gr) = The Number of Swimmers x 10 gr + Pool Volume (m^3) x 2,5 gr

For example: The Pool that 250 swimmer's daily use and 1000 m^3 pool volume.
Daily Chlorine Requirement = 250 x 10 gr + 1000 m^3 x 2,5 gr/m^3 = 5000 gr

With 12 hours filtration = 5000 gr/12h = 416 gr/h ►GSC 500
With 24 hours filtration = 5000 gr/24h = 200 gr/h ►GSC 250

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Puritron-GSC
Salt - Water Chlorinators

Designed for large public and competition pools. The device produces chlorine by electrolysis of pool water with salinity of teardrop. It has a standart cleaning cycle process against calcification. **Electrods are made of titanium and have a 20.000 hours long life.** Corrosion resist stainless steel body. Electrods cell made of methacrylate and transparent. It has a LCD screen. Device is switched mode. All models can be used with seawater.In addition to all above specifications, this device has electronic current control, heat and flow control.

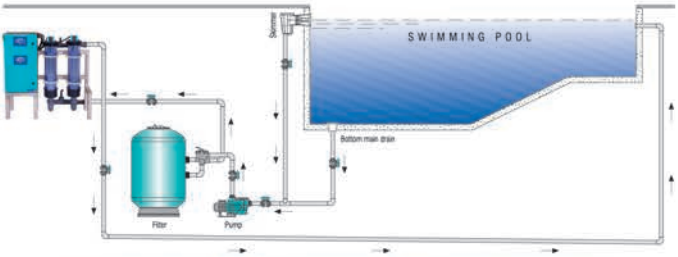
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Puritron GSC - 250	**06438**	**15.504,00**	1	40,000	
Puritron GSC - 500	**06439**	**27.477,00**	1	60,000	
Puritron GSC - 750	**06440**	**39.959,00**	1	80,000	
Puritron GSC - 1000	**06446**	**55.380,00**	1	100,000	



Electrode Cells Made of Transparent PVC Tube

Model	Chlorine Production (g/h) (5kg/m^3 salt)	Voltage (VAC)	Voltage (VDC)	Current (A)	Power Consumption (W)	PVC Pipe (mm)	Cell Measurements (mm)
GSC250	250	220	24 max.	50	1.350	63	750 x 450 x 900
GSC500	500	220	24 max.	100	2.540	63	1000 x 450 x 900
GSC750	750	220	24 max.	150	3.900	90	1250 x 450 x 900
GSC1000	1000	220	24 max.	200	5.000	90	1500 x 450 x 900

INSTALLATION DIAGRAM:





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Galatasaray Kalamış Facilities Indoor Swimming Pool, Sponsored by Gemas; Automatically controlled with a Gemas Puritron & “GSC 500” and “Pool Director”









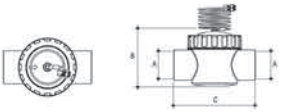
Salt-Water Chlorinators - Anodic Protection

In pools using salt-chlorine generators, installation of this device is used to prevent electrolytic corrosion of stainless-steel materials. The electric connection is made to the pump's control panel ground/earth point.



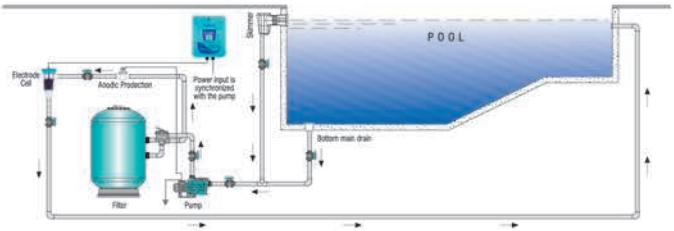
- Easy to install.
- Provides "Electric Shock" protection in fiberglass pools.
- Maximum 4 bars - 63 body
- Transparent cover for anode control
- Pure zinc, its average life is 3 years

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 63 Anodic Protection	**06423**	**149,00**	1		



TYPE	DIMENSIONS			
	CONECTION	A	B	C
GDF50-1E	63 mm	Ø63	129	190

INSTALLATION DIAGRAM:



Salt-Water Chlorinators - Electrode Cleaning



"SCALEX" Anti-Lime for Salt Chlorine Generators. One of the common problems in pools using a salt-chlorine generator is calcification on the electrode. This problem is often encountered especially in pools using hard water or sea water. In such cases, regular use of SCALEX provides a definitive solution.
Initial dose: 2,5 l/100 m3 pool water.
This dose should be doubled in pools using hard water.
Consecutive use dose 2,5 l/6 months.

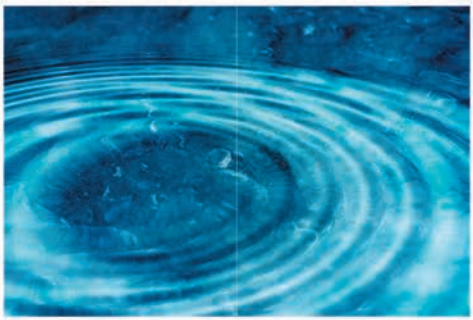
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	**075327**	**232,00**	1	5,000	0,001
10 l	**075328**	**461,00**	1	10,000	0,007
20 l	**075329**	**916,00**	1	20,000	0,028

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Salt-Water Chlorinators - Spare Parts

Description	Code	List Price Euro	Pieces/ box
GSC10 Bipolar Electrode	06430YE	406,00	1
GSC15 Bipolar Electrode	06428YE	566,00	1
GSC20 Bipolar Electrode	06425YE	725,00	1
GSC30 Bipolar Electrode	06426YE	838,00	1
GSC Electrode Housing	0643102	127,00	1
GSC Electrode Housing Nut	0643103	55,00	1
GSC Electrode Connection Cable	0643104	91,00	1
GSC Electrode Oring	0643105	9,00	1
GSC 230 VAC Cable	0643106	54,00	1
GSC Wall Hang Piece	0643107	18,00	1
GSC 50 Electrode	0643401	1.758,00	1
GSC 75 Electrode	0643501	2.106,00	1
GSC 100 Electrode	0643601	2.844,00	1
GSC 150 Electrode	0643701	4.170,00	1
GSC 250-500 Electrode	0643801	8.211,00	1
GSC 50-75-100-150 Electrode Housing	0643402	1.058,00	1





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Ultraviolet UV-C Disinfection Systems



06NTUV75T

Ultraviolet disinfection systems work with the principle of lethal effects of 220-280 nm wave length ultraviolet lights on living organisms. This wave-length ultraviolet lights require a certain contact time to kill microorganisms by destroying their cell walls.The UV devices are designed to provide this contact time according to the given flow rate.
UV radiation is considered in 4 spectrum: UV-A, UV-B, UV-C and vacuum UV. UV-C spectrum is used for water disinfection with the wave length as specified above.

Advantages of UV-C System :

- Reduces Chlorine and chemical consumption by %50 - %80.
- Effective for all microorganisms.
- Eliminates all the side effects caused by chlorine (skin irritation, eye burn, allergy, asthma and similar side effects)
- Destroys all bound chlorine compounds (=chloramines) and other harmful organic compounds.
- Reduces all chemical usage and leaves no harmful waste in water.
- Low operating cost, and eco-friendly technology.

Devices below are designed for private pools.
All models are 316L quality stainless steel body and enables +%35 radiation efficiency. Devices are complete with **timers** that shows bulb operating life. Device gives warning when bulb completes their lifespan. Also, there is a **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. The **AMALGAM** bulb that provides the most effective UV-C radiation is used in this model. Max. operating pressure is 2 bar. Bulb lifespan is 9.000 hours.

Description	Code	List Price Euro	Pieces/ box
Pool UV-C 40 Device with Timer up to 40 m^3	**06NTUV40T**	**734,00**	1
Pool UV-C 75 Device, with Timer up to 75 m^3	**06NTUV75T**	**773,00**	1
Pool UV-C 130 Device, with Timer, Flow Switch up to 150 m^3	**06NTUV130TF**	**1.513,00**	1



06NTUV130TF

Technic Specifications	NT-UV40-T	NT-UV75-T	NT-UV130-TF
Pool Volume (m^3)	40	75	150
Max. Flow Rate (m^3/h)	20	25	30
Max. Working Pressure (bar)	3	3	3
Diameter (mm)	72	72	72
Length (cm)	60	100	100
Outlet Diameter (mm)	63-50	63-50	63-50
Stainless Steel	316L	316L	316L
Electronic Ballast	120-240V AC 50/60Hz	120-240V AC 50/60Hz	120-240V AC 50/60Hz
Max. Current (Amp)	0,27	0,5	1,1
Bulb Power (W)	40	75	130
Wave Length (nm)	253,7	253,7	253,7
Timer	Available	Available	Available
Bulb Change Warning	Available	Available	Available
Flow Switch	-	-	Available
Chemical Usage Decrease	%80	%80	%80
Weigh (Kg)	4	5	5,5
Package Size (mm)	260 x 110 x 550	280 x 150 x 1010	280 x 150 x 1010

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Blue lagoon

Ultraviolet UV-C Disinfection Systems

The devices below designed for Semi-Public (Hotel, complex, school…) and Public Pools. All models (PRO series) are 316L quality stainless steel body, and provides +%35 efficiency. Devices are assembled with **timers** that shows bulb operating life. Devices give warning when bulbs complete their lifespan. Also, there is **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. In this model, Philips brand **AMALGAM** bulb has been used which allows most effective UV-C radiation. Max. operating pressure is UV-C Pro 5 bar, UV-C Pro Buster 10 bar.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pool UV-C PRO 130 Device, With Timer, Flow Switch, 150 m^3	06B210007	2.813,00	1	8,500	
Pool UV-C PRO Buster Device, With Timer, Flow Switch, 450 m^3	06B200031	6.373,00	1	30,000	

Technic Specifications	B210007	B200031
Pool Volume (m^3)	150	450
Max. Flow Rate (m^3/h)	40	60
Max. Working Pressure (bar)	5	10
Diameter (mm)	120	158
Length (cm)	100	95
Outlet Diameter (mm)	63	75
Stainless Steel	316L	316L
Electronic Ballast	230V AC 50/60Hz	230V AC 50/60Hz
Max. Current (Amp)	1,1	3 x 1,1 Amp.
Bulb Power (W)	130	3 x 130 Watt
Wave Length (nm)	253,7	253,7
Bulb Voltage (V)	70	70
Bulb Current (Amp)	2,1	2,1
UV-C 100 h outlet (W)	50	3 x 50 Watt
$\mu W/cm^2$ 1 meter distance	468	3 x 468
Bulb Type	Philips TUV 130 Watt 4P-SE Amalgam	Philips TUV 130 Watt 4P-SE Amalgam
Setting Time	Exist	Exist (3x)
Bulb Change Warning	Exist	Exist (3x)
Flow Switch	Exist	Exist
Chemical Usage Decrease	%80	%80
Weigh (Kg)	8,5	30
Package Size (mm)	265 x 190 x 1065	1150 x 365 x 365

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Ultraviolet UV-C Disinfection Systems

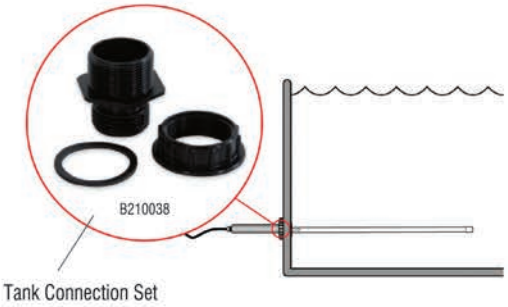
Blue lagoon



This UV-C device is designed for Water Tanks. It's complete with 10 meters cable and installation kit. In case of any problem of installation to wall, it can be placed freely into water tank. It is resistant to sea water. Tank connection set is not included in price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
UV-C Device, for Water Tanks	**06C100120**	**360,00**	1		
UV-C Device Montage Kit	**06C100121**	**15,00**	1		

Technic Specifications	B714404039581
Diameter (mm)	35
Length (cm)	80
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,57
Bulb Power (Watt)	75
Wave Length	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,80
UV-C 100h output (W)	25
$\mu W/cm^2$ 1 meter distance	230
Bulb Type	Van Erp UV-C Budget 75 Watt
Weigh (Kg)	2
Package Size (mm)	70 x 220 x 840



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Ozone Generators - CORONA DISCHARGE



GEMAS HYDROZONE Corona Discharge Ozone Generators. The ozone generated is vacuumed and introduced to the system by injector. Operates with free air suction. Complete with the injector with by-pass valve water trap, flow meter and active carbon filtration for discharge ozone (see.pg 186). Installation of static mixer is recommended. (see.pg 186).

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
HOZ CD-05, 5 gr/h	06421	2.065,00	1		
HOZ CD-15, 15 gr/h*	06424	2.065,00	1		
HOZ CD-08, 8 gr/h	06451	6.721,00	1		
HOZ CD-25, 25 gr/h*	06452	6.721,00	1		

(* Must be installed with oxygen concentrator.)



GEMAŞ HYDROZONE Corona Discharge Compact Ozone Systems. 5 g/h capacity, complete with jet pump, automatic gas discharge valve, PVC contact tank, deozonization active carbon tank, injector, PVC water trap tank, PVC base and column. Complete with necassary mechanical and electrical installation. It can be use with oxygen concentrator.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
HOZ CD-05, 5gr/h Compact Unit	06421C	6.663,00	1		



GEMAS HYDROZONE Corona Discharge COMPACT Ozone Systems. For 10 gr/h and higher models must be installed with; oxygen concentrator, ozone resistant deozonization contact tank, automatic gas discharge valve and excessive ozone-destructive filter. Below you can see the package systems that are easy to install existing pools. Required amount of quartz sand, and automatic pH and ORP control systems are included in the package price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
HOZ CDP-10, 10 gr/h-2" connection	06424P	10.325,00	1		
HOZ CDP-20, 20 gr/h-2" connection	06425P	17.741,00	1		
HOZ CDP-50, 50 gr/h-3" connection	06427P	29.689,00	1		

Oxygen Concentrator



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l/h (for 5 - 20 gr/h devices)	064201	2.230,00	1		
10 l/h (for 50 gr/h devices)	064203	4.606,00	1		

Ozone Injectors

Ozone Injectors. The ozone generated is vacuumed and introduced to the system by injector. Operates with free air suction. It is made of PVDF materials and resistant to all kinds of chemicals.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Venture-3/4"-1/4", center 1-3 m^3/h	06441	61,00	1		
Venture-1"-1/2", center 3-10 m^3/h	06442	133,00	1		
Venture-1 1/4"-1/2", center 10-25 m^3/h	06443	296,00	1		
Venture-2"-1/4", center 30-50 m^3/h	06444	422,00	1		

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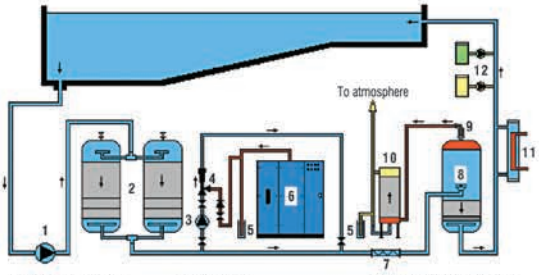
Ozone Generators - CORONA DISCHARGE



Ozone Capacity (g/h)	Pool Flow Rate (m³/h)		Recommended Pool Volume (m³)		Contact + Deozonization Tank Diameter Ø (mm) - h (mm)
	Partial Flow	Full Flow	Partial Flow	Full Flow	
15	75	15	375	75	Ø 615 - 1550
25	150	25	750	150	Ø 1250 - 2500
40	200	40	1000	200	Ø 1400 - 2500
50	250	50	1250	250	Ø 1400 - 2500
			(Average Circ Time: 5 Hrs.)		

PS: Above values must increase %10 for indoor pools.

Full flow ozone system: with contact and deozonization tank



1- Pool Circulation Pump
2- Sand Filters
3- Jet Pump
4- Ozone Injector
5- Water Trap
6- Ozone Generator
7- Static Mixer
8- Contact + Active Carbon Tank
9- Automatic Discharge Pump
10- Discharge Ozone Filter
11- Pool Heater
12- Pool Disinfection System

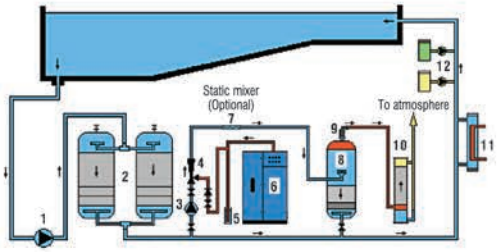


WATER TRAP
(Pls. see 186)

OZONE DOSAGE:	
UP to 32°C:	0,8 g/m³ per system flow (For middle busy pool) 1,0 g/m³ per system flow (For busy pool)
Above 32°C:	1,2 g/m³ per system flow (For middle busy pool) 1,5 g/m³ per system flow (For busy pool)
Ozone Contact Time:	2 min.
Active Carbon Dept:	Min. 500 mm

Partial flow ozone system: with contact and deozonization tank

Partial Flowrate:	%20 of Total Flowrate



1- Pool Circulation Pump
2- Sand Filters
3- Jet Pump
4- Ozone Injector
5- Water Trap
6- Ozone Generator
7- Static Mixer
8- Contact + Active Carbon Tank
9- Automatic Discharge Pump
10- Discharge Ozone Filter
11- Pool Heater
12- Pool Disinfection System



STATIC MIXER
(Pls. see 186)

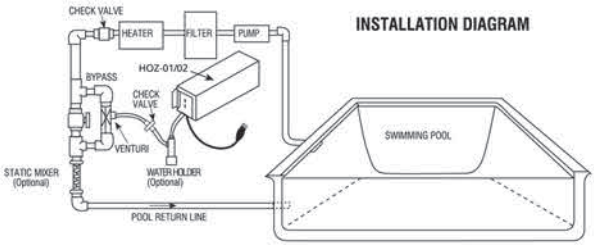
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Ozone Generators with UV Method

GEMAS HYDROZONE OZONE GENERATOR (With UV Method).
The ozone generated is vacuumed and introduced to the system by venturi. Complete with venturi + by-pass valve. Can be easily installed in existing swimming pools. Recommended for residential pools.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
HOZ-01, up to 90 m^3 - 0,248 g/h	06411	1,043,00	1	13,000	0,051
HOZ-02, up to 150 m^3 - 0,437 g/h	06412	1,310,00	1	14,000	0,051





UV-Ozone Spare Bulb For GEMAS HYDROZONE Ozone Generator.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	064101	255,00	1	0,616	0,003



Water Trap for Ozone Generator. Prevents back flow of water to the device when the system is shut down.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	064102	132,00	1		
	064103	47,00	1		


064102 064103

Static Mixer. Provides evenly diffusion of ozone in water flow.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2"	0641031	465,00	1		
2"	0641032	541,00	1		
2 1/2"	0641033	851,00	1		
3"	0641034	1,083,00	1		


0641031

GEMAS CORONA Ozone Discharge Valve. Ozone resistant.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1/2", 316 Inox Floater	0641041	780,00	1	0,616	0,003



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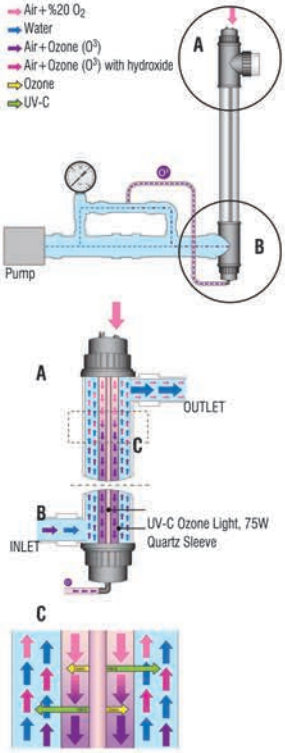
Ozone + Ultraviolet Combined Disinfection Systems



With the Ozone + UV Device; ozone generated inside special wave length UV bulb is vacuumed and introduced to the system by injector and transferred into pool circulation. On the other hand, it can execute the disinfection process by direct radiation to pool water from the same ozone bulb's quarts housing. Devices is complete with the bypass valve and injector. It can easily be installed into existing pool installations. Device body is 316L stainless steel.
It has timer, and gives signal when bulb's lifespan is over. Bulb power is 75 Watt, radiation power is 25 Watt, and Ozone output is 0,6 g/h.
The recommended pool capacity by the manufacturer is 75 m^3. It can reduce the chlorine usage up to %90. Ozone helps destroying sun cream, cosmetics, urine, and sweat in the water. After these process UV-C exposed pool water eliminates the residual ozone through disinfection.

CE

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ozon + UV-C Device (Gemas OEM)	06NTUV87TO	920,00	1	7,700	



Technic Specifications	NT-UV87-TO
Pool Volume (m^3)	90
Max. Flow Rate (m^3/h)	25
Max. Working Pressure (bar)	3
Diameter (mm)	72
Length (cm)	100
Outlet Diameter (mm)	63
Stainless Steel	316L
Electronic Ballast	120-240V AC 50/60Hz
Max. Current (Amp)	0,60
Bulb Power (W)	87
Wave Length (nm)	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,90
UV-C 100 h outlet (W)	25
$\mu W/cm^2$ 1 meter distance	144
Bulb Type	Ozone lamp 87 W
Ozone	Exist - 0,6 gr/h
Setting Time	Exist
Bulb Change Warning	Exist
Chemical Usage Decrease	%95
Weigh (Kg)	7,7
Package Size (mm)	370 x 130 x 1110

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Blue lagoon

Copper Ionization + UV Combined Disinfection System



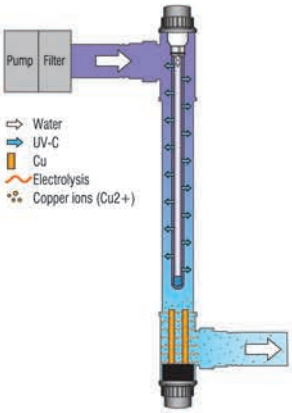
It's for private pools. It can completely eliminate the need of chlorine. It provides the disinfection %80 with UV-C and %20 through copper ionization. It controls the bacteria and algae formation in the water. It also provides an active flocculation by releasing positive charged ions to pool water.
Copper electrolysis + UV-C works combined. 253,7 mm wave length UV lights are highly effective on bacteria and viruses. 316L stainless steel body provides +%35 better radiation. The chloric buffer function in UV + Chlori combination is done by copper ions. In system, it's installed after filter. The device constantly supplies copper ions into water. +2 charged copper ions kill bacteria, algae and other primitive organisms by destroying their cell walls. Fortnightly, the copper concentration is measured with tool supplied with the device. Thus, 0,7 ppm copper concentration continuity is provided. Ionization amount is controlled with the electronic control device. The device is ideal up to 70 m3 private pools.

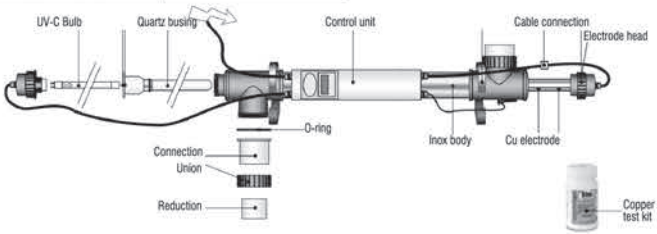
Copper ionization system comfortably and effectively substitutes the algecides and floculent chemical agents in the existing pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Copper Ionization + UV-C Device	06B200003	1,927,00	1	6,000	

Technic Specifications	B200003
Pool Volume (m^3)	70
Max. Flow Rate (m^3/h)	25
Max. Working Pressure (bar)	2
Diameter (mm)	72
Length (cm)	100
Outlet Diameter (mm)	63-50
Stainless Steel	316L
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,57
Bulb Power (W)	75
Wave Length (nm)	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,80
UV-C 100 h outlet (W)	25
$\mu W/cm^2$ 1 meter distance	230
Bulb Type	Blue Lagoon UV-C 75 Wat
Copper Ionization	Exist - 0,7 gr/h
Bulb Change Warning	Exist
Chemical Usage Decrease	%100
Weigh (Kg)	6
Package Size (mm)	280 x 150 x 1010

This product sales are limited with current stock. Please ask the stock status before ordering.





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Floating - Solar Copper Ionization System



Solar Clear, Copper + Zinc Alloyed Ionization System.
Works with solar battery. Max pool volume120 m³. Decreases the chlorine or equivalent oxidation disinfection requirement aproximately %80. It can be used with UV and/or Dechloramin for Chlorine-Free applications in residential pools.
It should not be used in liner/membrane pools due to Coppers dispersing agent impact on synthetic materials. It's not obliged to use flocculant or algecide, because Copper having positive effect on algea and flocculation. On the high degrees of water hardness, the product will act as a softening agent as it collects lime on its anode. But the anode must be cleaned periodically with wire brush inside the package.
Complete with wire brush and strip copper test device. Ideal copper concentration is 0,5 ppm. Permanently use necessary on above 70 m³ pool but it can be used halftime on smaller pools. Min. Copper concentration must be 0,3 ppm. Electrode lifetime can be change by use aproximately 12 to 24 months.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Solar Clear	**0601**	**872,00**	1		

Solar Copper Ionization System Spares



0601Y01



0601Y02

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Anode	**0601Y01**	**255,00**	1		
Filter	**0601Y02**	**35,00**	1		
Screw	**0601Y03**	**7,00**	1		
Stripe Copper Test Kit	**0834**	**29,00**	1		
Wire Brush	**0601Y04**	**16,00**	1		



0601Y02

Dechloramin use recommended with SOLAR CLEAR

"DECHLORAMIN". Granulated active oxygen compound for chloramine destruction. After shocking, the pool can be used by bathers within a very short time. Alternative to the required small amount of chlorine in ozone pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
1 kg	**07611**	**18,00**	1	1,000	0,002
5 kg	**07612**	**84,00**	1	5,000	0,009
25 kg	**07613**	**408,00**	1	10,000	0,023



07613

DECHLORAMIN	Non-chlorine Shock Treatment Agent	For Clarifying Pool Water	100 gr/week to 10 m³ pool water (Residential pool) 150 gr/week to 10 m³ pool water (Public pool)

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POOL CHEMICALS

07 Pool Chemicals 197

08 Test Kits 207

Water Disinfection



"FASTCHLOR" Stabilized Dichlorine Granular, 56%.
Quick dissolving stabilized granular dichlorine with 56% or 60% chlorine content.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg		65,00	1	5,000	0,006
10 kg	071112	129,00	1	10,000	0,012
15 kg	071113	188,00	1	15,000	0,017
25 kg	071116	292,00	1	25,000	0,033
30 kg	071114	350,00	1	30,000	0,033
50 kg	071115	562,00	1	50,000	0,057



"FASTCHLOR 100" Stabilized Trichlorine Granular, 90%.
Slow dissolving stabilized granular trichlorine with 90% chlorine content.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	071131	66,00	1	5,000	0,006
10 kg	071132	130,00	1	10,000	0,012
15 kg	071133	192,00	1	15,000	0,017
25 kg	071136	307,00	1	25,000	0,033
30 kg	071134	370,00	1	30,000	0,033
50 kg	071135	592,00	1	50,000	0,057



"TABCHLOR" Stabilized Trichlorine Tablet, 200 gr 90%.
Slow dissolving stabilized trichlorine with 90% chlorine content in 200 gr tablet form.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	0712311	69,00	1	5,000	0,006
10 kg	0712312	130,00	1	10,000	0,012
15 kg	0712313	189,00	1	15,000	0,017
20 kg	0712314	258,00	1	20,000	0,022
50 kg	0712315	608,00	1	50,000	0,057



"TABCHLOR-Multi" Stabilized Trichlorine Tablet, 200 gr.
Slow dissolving stabilized Trichlorine. Algecide and flocculant.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	0712311H	74,00	1	5,000	0,006
10 kg	0712312H	152,00	1	10,000	0,012
15 kg	0712313H	213,00	1	15,000	0,017
20 kg	0712314H	290,00	1	20,000	0,022
50 kg	0712135H	672,00	1	50,000	0,057

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Water Disinfection and Chlorine Stabilizer

"CALCIUM HYPOCHLORITE" % 70

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
40 kg Granular	071125	366,00	1	40,000	0,044
40 kg Tablet	071226	529,00	1	40,000	0,044



"FASTCHLOR L".

Sodium hypochlorite with 12% active chlorine content.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
10 l / 12 kg	071311	21,00	1	10,000	0,012
20 l / 25 kg	071313	28,00	1	20,000	0,028
25 l / 30 kg	071315	34,00	1	25,000	0,044
30 l / 36 kg	071312	40,00	1	30,000	0,044



CHLORSTAB isocyanuric acid - chlorine stabilizer.

It can be used with FASTCHLOR L, Calcium Hypochloride and Salt-Water Chlorinators.
Reduces chlorine useage at least %100.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	075391	42,00	1	5,000	0,008
10 kg	075392	81,00	1	10,000	0,017
20 kg	075393	161,00	1	20,000	0,023
50 kg	075395	348,00	1	50,000	0,057



CHLORSTAB	Isocyanuric acid	Chlorine Stabilizer	5 kg first dose for 100 m^3 pool water Following doses according to test results max. 100 ppm

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Non-Chlorine Shock Treatment



"DECHLORAMIN".
Granulated active oxygen compound for chloramine destruction. After shocking, the pool can be used by bathers within a very short time. Alternative to the required small amount of chlorine in ozone pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	07612	84,00	1	5,000	0,006
10 kg	07617	163,00	1	10,000	0,011
25 kg	07613	408,00	1	25,000	0,027

"OXYTRONE"
Granulated active oxygen compound for chloramine destruction. After shocking, the pool can be used by bathers within a very short time. Alternative to the required small amount of chlorine in ozone pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	071151	35,00	1	5,000	0,006
10 kg	071152	68,00	1	10,000	0,011
25 kg	071153	169,00	1	25,000	0,027

"CHLORINE-OUT"
Reset the Total Chlorine of pool water in pools with high Combined Chlorine problems or pools with high chlorine. To reduce the Total Chlorine of 100 m^3 pool water by 1 ppm, dissolved 300 gr of Chlorine-Out in water and dose this into the pool.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	071144	30,00	1	5,000	0,006
10 kg	071145	58,00	1	10,000	0,011
25 kg	071146	152,00	1	25,000	0,027

pH Regulators



"pH (-) DOWN".
Granular acid to reduce and stabilize pH level.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
7 kg	072111	17,00	1	7,000	0,006
15 kg	072112	34,00	1	15,000	0,017
25 kg	072113	56,00	1	25,000	0,023
50 kg	072114	113,00		50,000	0,043



"pH (-) DOWN L".
Granular acid to reduce and stabilize pH level.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
10 l / 12 kg	072121	11,00	1	12,000	0,012
20 l / 25 kg	072123	18,00	1	25,000	0,028
25 l / 30 kg	072124	21,00	1	30,000	0,044
30 l / 36 kg	072122	22,00	1	36,000	0,044

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pH Regulators

"pH (-) DOWN HCl" Liquid pH reducer and limescale remover. (%30 Hydrochloric acid)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
10 l	072126	???	1	10,000	0,014
25 l	072125	33,00	1	25,000	0,028
30 l	072129	38,00	1	30,000	0,044
35 l	072128	44,00	1	35,000	0,044



"pH (+) UP".
Alkaline in powder form to increase and stabilize pH level.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
4 kg	072211	17,00	1	4,000	0,006
10 kg	072212	40,00	1	10,000	0,012
25 kg	072218	95,00	1	25,000	0,022



Algicides

"ALGEX".
Liquid Algicide and bactericide for destruction of algae.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	073111	21,00	1	5,000	0,007
10 l	073112	38,00	1	10,000	0,014
20 l	073114	74,00	1	20,000	0,028
30 l	073113	107,00	1	30,000	0,044



"ALGEX PROTECTOR".
Liquid Algicide and bactericide against algae growth.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	073311	19,00	1	5,000	0,007
10 l	073312	35,00	1	10,000	0,014
20 l	073314	68,00	1	20,000	0,028
30 l	073313	97,00	1	30,000	0,044



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Algicides

A BRAND NEW KIND OF ALGICIDE



"STARVEX" Anti Phosphate.
Starvex is an ECO-firendly chemical which vanishes algea chain by binding and destructing the phosphate in the water. It does not blur the water. It can be used with all pool chemicals.
USED DOSAGES ARE VERY LOW

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	075381	168,00	1	5,000	0,007
10 l	075382	334,00	1	10,000	0,014
20 l	075383	668,00	1	20,000	0,028
30 l	075384	997,00	1	30,000	0,044

For Phosphate Test Kit, Please see Test Kits Section.

STARVEX	Liquid	Algicide	1 l dose for 50 m3 pool water. 0,5 l dose in following weeks.

Flocculant



"PUREFLOCK L". Highly Effective Liquid Flocculant.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	07411	12,00	1	5,000	0,007
10 l	07422	21,00	1	10,000	0,014
20 l	07424	41,00	1	20,000	0,028
30 l	07423	52,00	1	30,000	0,044



"PUREFLOCK C".
Cartridges Flocculant for continuous clarifying treatment.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Box containes 8 cartridges	07421	18,00	1	1,280	0,003



"MULTIFLOCK C".
Cartridges Flocculant and algicide for continuous clarifying treatment.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Box containes 8 cartridges	07430	22,00	1	1,280	0,003



07425 07427

"CLEARFLOCK GEL" Gel Flocculant.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Box containes 4 gel cartridges	07425	24,00	1	0,30	
Box containes 1 gel cartridges	07427	48,00	1	0,65	



"ACTIVE FLOCK" Liquid.
"ACTIVE FLOCK" Liquid. Floating partides in the pool water are catched by the sand filter. No sediments on the pool bottom.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	074241	17,00	1	5,000	0,007
10 l	074242	30,00	1	10,000	0,014
20 l	074243	59,00	1	20,000	0,028
30 l	074244	79,00	1	30,000	0,044

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Flocculant

"MIRACLEAR" Super Shock Clarifier.
It enables the suspended particles in the pool water to be held inside the filter. Miraclear does not make sediment on the floor of the pool. Single dose in every 3 or 4 week is enough. It's a fast and an effective for solution to cloudy pools.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	075371	90,00	1	5,000	0,007
10 l	075372	169,00	1	10,000	0,014
20 l	075373	348,00	1	20,000	0,028
30 l	075374	514,00	1	30,000	0,044

Filter Care

"CALCEX FILTER".
Descaling and cleansing agent for periodical maintenance of sand filters.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 kg	07521	16,00	1	1,000	0,001
4 kg	07522	56,00	1	4,000	0,006
10 kg	07523	132,00	1	10,000	0,012

Prevention of Lime Sedimentation in Hard Pool Waters

"CALSTAB".
Stabilizes hardness prevents scaling on pool surfaces.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	07551	19,00	1	5,000	0,007
10 l	07552	35,00	1	10,000	0,014
20 l	07556	66,00	1	20,000	0,028
30 l	07553	91,00	1	30,000	0,044

Electrode Cleaning for Salt-Chlorine Generators

"SCALEX" Anti-Lime for Salt-Chlorine Generators.
Initial dose: 2,5 l/100 m3 pool water. This figure should be doubled in pools using hard water. Consecutive use dose: 2.5 l/6 months.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	075327	207,00	1	5,000	0,007
10 kg	075328	413,00	1	10,000	0,014
20 kg	075329	825,00	1	20,000	0,028

Foot and Surface Disinfection

"FUNGEX". Fungicidal disinfectant.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
10 l	07541	52,00	1	10,000	0,014
30 l	07542	145,00	1	30,000	0,044

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Pool Surface Cleaning



"SCALEX POOL" Limescale Removal - effective when the pool is "FULL"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 kg	075323	207,00	1	5,000	0,001
10 kg	075324	413,00	1	10,000	0,007
20 kg	075325	825,00	1	20,000	0,028



"CALCEX POOL".
Descaling cleaner to eliminate calcium deposits on the pool basin.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 l	075311	14,00	1	1,000	0,001
5 l	075312	44,00	1	5,000	0,007
10 l	075313	???	1	10,000	0,012
20 l	075315	164,00	1	20,000	0,028
30 l	075314	226,00	1	30,000	0,044



"SOOT-OFF".
Cleaner for removing grease and dirts at the water rim.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 l	075321	8,00	1	1,000	0,001
5 l	075322	24,00	1	5,000	0,007
10 l	075323	207,00	1	10,000	0,014
20 l	075325	825,00	1	20,000	0,028



"CLEAN GROUTING" Grouting cleaner.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 l	075341	10,00	1	1,000	0,001
5 l	075342	54,00	1	5,000	0,007



"MORTAR-OFF" Mortar cleaner.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 l	075351	10,00	1	1,000	0,001
5 l	075352	54,00	1	5,000	0,007

Winter Care



"POOLWIC".
For Winter Care against algae growth and calcium deposits.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 l	07511	31,00	1	5,000	0,007
10 l	07512	60,00	1	10,000	0,014
20 l	07514	119,00	1	20,000	0,028
30 l	07513	180,00	1	30,000	0,044

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GEMAS POOL CHEMICALS DOSING INSTRUCTIONS

PRODUCT	DESCRIPTION	FUNCTION	DOSAGE
FASTCHLOR	Stabilized Granular Dichlorine	Disinfection	0,5 kg/day for 100 m³ pool water (Public pools) 0,5 kg/week for 100 m³ pool water (Residential pools)
		Shocking	0,6-1 kg/15day for 100 m³ pool water (Public pools) 0,6-1 kg/month for 100 m³ pool water (Residential pools)
FASTCHLOR 100	Stabilized Granular Trichlorine	Disinfection	0,35 kg/day for 100 m³ pool water (Public pools) 0,35 kg/week for 100 m³ pool water (Residential pools)
TABCHLOR 200 gr	Stabilized Trichlorine Tablet	Disinfection	1 Tablet for 30 m³ pool water (once 10-12 days)
H.TRICHLOR T 200 gr	Stabilized Trichlorine Tablet	Disinfection	1 Tablet for 30 m³ pool water (once 10-12 days)
CALCIUM HYPOCHLORITE	%70 Granular/Tablet	Disinfection	200 gr/day for 100 m³ pool water
BROMINE	Bromine Tablet	Disinfection	400 gr/day for 30 m³ pool water
FASTCHLOR L	Sodium Hypochlorite %12	Disinfection	2,5-5 liters/day for 100 m³ pool water
CHLORSTAB	Isocyanuric Acid	Chlorine Stabilizer	5 kg first dose for 100 m³ pool water. Following doses according to test results max. 100 ppm
DECHLORAMIN	Non-chlorine Shock Treatment Agent	For clarifying pool water	100 gr/week for 10 m³ pool water (Residential pools) 150 gr/week for 10 m³ pool water (Public pools)
OXYTRONE	Granular	Oxygen based organic cleaner	1000-1300 gr/week dose per 100 m³ pool water (Residential pools) 1500-1800 gr/week dose per 100 m³ pool water (Public pools)
CHLORINE-OUT	Gralunar	Chlorine and chlorine remover	300 gr dose per 100 m³ pool water to reduce total chlorine by 1 ppm
pH (-) DOWN	Granular	pH Down	1 kg for 100 m³ pool water decreases pH by 0,1 unit
pH (-) DOWN L	Liquid	pH Down	1 liter for 100 m³ pool water decreases pH by 1 unit
pH (-) DOWN HCl	Liquid	pH Reduce and Limescale cleaner	1 l dose per 100 m³ pool water reduces pH by 0,1 and alkalinity by 0,23 ppm
pH (+) UP	Granular	pH Up	1 kg for 100 m³ pool water increases pH by 0,1 unit
ALGEX	Liquid	Algicide	First dosage of 1,5 liters. Weekly dosage of 0,5 liter afterwards (outdoor pool) First dosage of 1,5 liters. Weekly dosage of 0,3 liter afterwards (indoor pool)
ALGEX PROTECTOR	Liquid	Algicide	First dosage of 1,5 liters. Weekly dosage of 0,5 liter afterwards (outdoor pool)
STARVEX	Liquid	Algicide	1 l dose for 50 m³ pool water. 0,5 l dose in following weeks.
PUREFLOCK L	Liquid	Flocculant	30-200 ml/day for 100 m³ pool water
CLEARFLOCK GEL	Mold Gel	Gel Flocculant	
PUREFLOCK C	Cartridge	Flocculant	1 cartridge/5-7 days for 60 m³ pool water
MULTIFLOCK C	Cartridge	Flocculant + Anti-Algea	1 cartridge/5-7 days for 60 m³ pool water
ACTIVE FLOCK	Liquid	Polisher	100 m³ pool water 30-200 ml/day
MIRACLEAR	Liquid	Super Shock Clerifier	1 l first dose for 100 m³ pool water. Same dose in following 3-4 week.
CALCEX FILTER	Granular	Anti Calcification	1 kg/15-30 days for each m³ of filter volume
CALSTAB	Liquid	Hardness Stabilization	100-400 ml for 10 m³ pool water.
CALCEX POOL	Liquid	Descaling Cleaner on Surface	Can be diluted at ratio of 1/5 or 1/10. Should be waited maximum 15 minutes.
SCALEX POOL	Liquid	For Cleaning Lime on Pool Surface	2,5-5 l per 100 m³ pool water
SCALEX	Liquid	Anti-Lime for Salt-Chlorine Generators	2,5 l first dose to 100 m³ pool water 375 ml/month or 2,5 l/6 month
SOOT-OFF	Liquid	Grease and dirt remover	Can be diluted at ratio of 1/5 or 1/10.
CLEAN GROUTING	Liquid	Grout cleaning	Can be diluted 1/5 or 1/10. Wait for 2-3 minutes and brush.
MORTAR-OFF	Liquid	Mortar cleaning	Apply on mortar. Brush with heavy duty bristles.
POOLWIC	Liquid	Winter Care Product	3 - 5 liter (According to hardness) to 100 m³ pool Re-dose in 2 months.

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Pool Problems and Solutions



PROBLEM	CAUSE	EFFECT	SOLUTION
Dull looking cloudy water	Low chlorine stabilizer (cyanuric acid) high (>100 ppm)	The first stage of algae growth	Adjust pH with FASTCHLOR L and shock chlorination
On walls, pipes, filters, etc. stone formation	pH high, CaCO3 Solubility exceeded, alkalinity high	Pipes blocked increase in filter pressure	pH should be adjusted continuously
Eye and skin irritation	Unsuitable pH, ineffective chlorine due to chlorination with high amount	Increase in the amount of pollution	Adjust pH with FASTCHLOR and shocking chlorination
Constantly in an eye-catching level chlorine smell	Free chlorine low, due to false shock chlorination stabilizer and bound chlorine, high (>0.2 ppm)	Insufficient disinfection	Free chlorine should be 0.8-2.0 ppm and correct shock chlorination must be done
Foaming in pool water	High-dose algaecide use and organic pollution	Cost increase	Shock chlorination and use fresh water
Non shiny water	Filtration low pH high	Insoluble suspended matter increase by amount	Check the filter, decrease pH
Colorful but clear water	Metal ions are present in the water	Metal oxidation	Adjust pH with FASTCHLOR shocking chlorinate and use CALSTAB ion holder
Bleaching in hair, clothing, vinyl coatings	Chlorine level is too high, free chlorine incorrectly measured	Cost increase due to excessive chlorine consumption	Lower the chlorine level
Colored particles present in the water	Low pH and corrosion	Metal oxidation	Raise pH
Green blurry water, slippery surfaces and algae	Low chlorine level too much stabilizer	Algae growth	Adjust pH, perform shock chlorination
Green or brown algae	Lower free chlorine in water	Inadequate disinfection and algae re-production	Adjust pH with FASTCHLOR shocking chlorine,use antialgae. Brush the surfaces and clean

Properties That Should Exist In Pool Waters

(1) It is checked in the pools where chlorine compounds with stabilizers are used for disinfection of water.
(2) Hydrogen peroxide should be within the range of 40-80 when "hydrogen peroxide + biguanide" is used for disinfection of water.In this case it is acceptible that pH 8.2, ammonium 1.5 and total level of alkalinity suitable up to level 220. No free chlorine measurement is done in these pools but hydrogen peroxide and biguanide are measured.
(3) It is checked in the pools where Chlorine and chlorinated compounds are used for water disinfection.
(4) It is the exact required level where Ozone, UV, chlorine dioxide and other disinfection systems are used in the pools for water disinfection.
NOTE: Hydrogen peroxide, biguanide and free chlorine measurements are made on pool site.
Our company reserves the right to make changes in all listed products without notifying the customer.

Annex-1 Chemical Properties

Parameter	Analysis Range	Unit	Limit Values Minimum	Limit Values Maximum
Cyanuric acid (1)	Once a month	mg/l	-	100
Biguanid (2)			2	30
Hydrogen peroxide (2)			40	80
pH (2)			6,5	7,8
Ammonium (2)				0,5
Nitrite				0,5
Nitrate				50
Copper				1
Aluminum				0,2
Total alkalinity (2) ($CaCO_3$)			30	180
Bound chlorine (3)				0,2
Indoor swimming pool water free chlorine (3)			1	1,5
Open swimming pool water free chlorine (3)			1	3
Free chlorine (4)			0,3	0,6

Test Kits with Liquid Reagents

TEST KIT FOR CHLORINE AND pH WITH LIQUID REAGENTS.
Complete with 25 cc OTO and PHENOL RED Liquid reagents.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	08211	10,00	1	0,170	

LIQUID REAGENTS



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
CHLORINE OTO - 25 cc	082111	1,45	1	0,028	
PHENOL RED - 25 cc	082112	1,45	1	0,028	

TOTAL HARDNESS TEST KIT. By titration method.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	08221	10,25	7	1,120	0,006

Test Kits with Tablet Reagents

TEST KIT WITH TABLETS.
For Free Chlorine and pH. Includes 10 pieces of test agents.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	08111	12,00	10	0,160	0,0004

TEST KIT FOR CHLORINE/BROMINE, pH & ALKALINITY



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PT 500	08131	24,00	1	0,160	0,0004

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Stick Test Kits



AQUACHECK "YELLOW" STICK TEST KITS.
Indicates pH, Free Chlorine, Total Alkalinity and Cyanuric Acid Level. Colormetric based measure system. Includes 50 pieces of test sticks.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
AQUACHECK YELLOW - For 50 Tests	**0831**	**29,00**	1	0,050	0,0008



POOL ID STRIP SALINITY TEST KIT.
It measures salinity between 0 - 8000 ppm. There are 20 pieces of test strips in the box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SALINITY TEST KIT	**0835**	**25,00**	1		

Electronic Photometer - Test Strips & Readers





AQUACHECK "TRUTEST" DIGITAL TEST STRIPS & READER.
pH, free chlorine and total alkalinity. After the AQUCHECK TRUTEST test strips are immersed in the pool water, the measurement is made by placing it on the Trutest device. It eliminates the risk of making wrong measurements due to users distinguishing colours incorrectly. It reports on the left of the screen that the measured values are low, ideal or high. Keeps the last 9 measurements in its memory. For bromine measurement, multiply the Chlorine measurement obtained by 2.2. Works with 2 alkaline batteries.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
AQUACHECK TRUTEST	**0841**	**264,00**	1	0,236	0,0018
AQUACHECK TRUTEST	**08411**	**25,00**	1	0,042	0,0008
Replacement Test Strips - 50 pcs					

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Photometer Test Kits

"POOLLAB"

Photometric test kit. Total / Bound Chlorine, Ph, Alkalinity, Cyanuric Acid, Total Hardness, Active Oxygen, Bromine, Chlordioxide, Ozone, Hydrogen peroxide can be measured. There are reagents for the first four parameters in the kit. Other reagents should be purchased extra on request. It can be connected to a **smartphone** via Bluetooth. When the test results are synchronized, the software and the preloaded chemicals in the application will suggest the required dose. The user can print these results. The poollab, which is an IP68 rated device, can be safely submersed into the body of water to be sampled.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
POOLLAB 5 in 1 kit	**0844**	**397,00**	1		



"PRIMELAB" Multitest.

Photometric test kit. Options with 5 in 1 kit which measures Total/Combined Chlorine, pH, Alkalinity, Total Hardness and Cyanuric Acid. Pro kit includes parameters Total / Combined Chlorine, Bromine, pH, Alkalinity, Cyanuric Acid, Ammonify, Nitrite, Nitrat, Copper, Aluminium, Hidrogen Peroxide, Biguanide, Color and Turbidity).
Complete with all necessary agents calibration and measurement equipment and carrier case. For spare part agent prices, please see page 201. It can be connected via bluetooth to smartphones, tablets and PCs.
The necessary chemical dosages and comments to the test results are given as suggestions with the help of software or application.





Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Primelab 5 in 1 Kit	**0848**	**2250,00**	1		
Primelab Pro Kit	**0849**	PLS. ASK PRICE	1		
Parameter Addition	**0843**	PLS. ASK PRICE			

Test Kits With Disc Comparator

With 5 in 1 kit, Free chlorine, pH, total alkalinity, total hardness and cyanuric acid are measured. The result is given by comparing the sample color with color disc.
Complete with all agents, sample tubes and carrier bag.



0850

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
5 in 1 Test Kit , with disc comparator	**0850**	**306,00**	1		
Phosphate Test Kit, with disc comparator	**0851**	**167,00**	1		





0851

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Spare Tablet Agents



"DPD1 FREE CHLORINE REAGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
DPD1 – Folio	**081111**	**1,36**	50	0,128	0,001
Box inc. 500 pcs	**0811111**	**66,00**	1	0,170	0,0009
Box inc. 1000 pcs..	**08111112**	**131,00**	1		



PHENOL RED REAGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Phenol Red – Folio	**081112**	**1,36**	50	0,128	0,001
Box inc. 500 pcs	**0811121**	**66,00**	1		
Box inc. 1000 pcs..	**0811122**	**131,00**	1		

DPD3 DEPENDENT CHLORINE AGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
DPD3 – Folio	**081113**	**1,36**	50	0,128	0,001
Box inc. 500 pcs	**0811131**	**66,00**	1	0,170	0,0009
Box inc. 1000 pcs..	**0811132**	**131,00**	1		

Photometer Tablet Agents

Below spare agents for 250 pieces packages. PLS. ASK PRICE.

Description	Code	List Price Euro
TABLET REAGENTS		
Alkalinity - M		
Cholorine - DPD1		
Cholorine - DPD3		
Cyanuric Acid		
Calcium Hardness		
pH - Phenol Red		
Aluminium - No:1		
Aluminium - No:2		
Ammonia - No:1		
Ammonia - No:2		
Bromine - DPD1		
Bromine - Glycine		
Copper - No:1		
Copper - No:2		
Nitrite		
Ozone - DPD1		
Ozone - DPD2		
Ozone - DPD3		
PHMB		
Chloramine DPD1		
Chloramine DPD2		
Chloramine DPD3		
Chloride - No:1		
Chloride - No:2		
Chlor dioxide - DPD1		

Description	Code	List Price Euro
Chlor dioxide - Glycine		
Total Hardness		
Iron		
Phosphate - No:1		
Phosphate - No:2		
Sodium Hypochloride 1		
Sodium Hypochloride 2		
Sulphate		
Urea - Amonia No:1		
Urea - Amonia No:2		
Zinc - Copper Zinc		
Zinc - EDTA		
LIQUID REAGENTS		
Hydrogen Peroxide - No:1		
Hydrogen Peroxide - No:2		
Nitrate - No:1		
Nitrate - No:2		
Chlorine - No:1		
Chlorine - No:2		
Chlorine - No:3		
Iron - No:1		
Iron - No:2		
pH		
Urea - No:3		
Urea - No:4		

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POOL EQUIPMENT

09	Cleaning Equipment	211
10	Heating Equipment	228

"Standard" Automatic Pool Cleaners



DOLPHIN "E 10" AUTOMATIC POOL CLEANERS.
Designed for residental pools up to 8 m, 24 V motor unit and 12 m cable. Lightweight, easy to carry. Cleaning cycle time 1,5 hours. Automatic program for optimal pool cleaning. With the help of active brush which moves twice times faster than robot, removes the algea and bacteria on the walls and bottom. Easy access and cleaning box-shaped net filter. **2 years warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"E10" Automatic Pool Cleaner	**091202**	**1.363,00**	1	10,000	0,070



DOLPHIN "S100" AUTOMATIC POOL CLEANERS.
Self-powered, 12 m cable for pools up to 8 m. The cleaning period is 1,5 hours. Self-programmed for optimal pool cleaning. Prevents algae and bacteria from forming by brushing the entire pool surface with the double brushing system that moves twice as fast as the robot. Cleans the pool floor, walls and waterline. It operates in standard cleaning mode via the new generation energy-saving power unit. Complete with mesh filter for collecting coarse dirt and cartridge filter for finer cleaning. Due to this, filter clogging takes much longer than other robots models. **2 years warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"S100" Automatic Pool Cleaner	**091208**	**1.547,00**	1	11,000	



DOLPHIN "S200" AUTOMATIC POOL CLEANERS.
Designed for residental pools up to 12 m. 24 V motor unit and 18 m cable. Cleaning cycle time 2 hours. Automatic program for optimal pool cleaning. Cleans the pool surface, walls and waterline. During climbing on the walls, it increases the vacuum according to the slipperiness, prevents to slip down. **With patented POWERSTREAM techonology, it has the most effective movement and manouvering features.** Active brush which moves twice times faster than robot, removes the algea and bacteria on the walls and bottom. It works with standard cleaning mode with new generation energy saving power unit. Complete with 2 layer filtering system, cartridge filter and net filter for coarse dust. The cartridge filter remains clean much longer due to the 2 layer system. **3 years warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"S200" Automatic Pool Cleaner	**091203**	**1.781,00**	1	12,000	



DOLPHIN "S300" AUTOMATIC POOL CLEANERS.
Self-powered, 18 m cable for pools up to 12 m. The cleaning period is 1 and 2 hours. Self-programmed for optimal pool cleaning. Patented POWER STREAM technology has more effective movement maneuvering and cleaning ability of the pool floor, wall and waterline. Prevents algae and bacteria from forming by brushing the entire pool surface with the double brushing system that moves twice as fast as the robot. Cleans the pool floor, walls and waterline. It operates in standard cleaning mode via the new generation energy-saving power unit. Thanks to its new layered filter, it separates the dirt by dimension and traps small and large-sized dirt separately. In this way, filter clogging takes much longer than other robots models. Complete with Caddy. **3 years warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"S300" Automatic Pool Cleaner	**091209**	**2.075,00**	1	19,000	

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"Standard" Automatic Pool Cleaners

DOLPHIN "S300i" AUTOMATIC POOL CLEANERS.
Designed for residental pools up to 12 m. 24 V motor unit and 18 m cable. Cleaning cycle time can be adjustable 1, 1.5, 2 or 2.5 hours. Automatic program for optimal pool cleaning. Cleans the pool surface, walls and waterline. During climbing on the walls, it increases the vacuum according to the slipperiness and prevents to slip down. **With patented POWERSTREAM techonology, it has the most effective movement and manouvering features.** Active brush which moves twice times faster than robot, removes the algea and bacteria on the walls and bottom. It has different cleaning modes; fast, standard, ultra-clean, floor only and waterline. Weekly timer and delayed start can be adjusted. it seperates the debris according to their sizes inside the 2 layer filtering system; net filter for coarse, cartridge filter for finer debris. It can be remote controlled with "Mydolphin" application via smartphones. **Complete with caddy. 3 years warranty.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"S300i" Automatic Pool Cleaner	**091204**	**2.293,00**	1	19,000	

"M Series" Automatic Pool Cleaners

DOLPHIN "M200" AUTOMATIC POOL CLEANERS.
Self-powered, 70-micron filter, 18 m cable, 24 V motor, 16 m^3/h flow rate. Designed for home pools up to 10 m. The cleaning period is 3 hours. Self-programmed for optimal pool cleaning. Cleans the pool floor and the difficult to reach corners where the floor meets the pool wall. Patented Tangle Free Cable swivel system to avoid cable damage due to bending.
Complete with caddy. 2 years warranty.
NOTE: WALL CLIMBING IS NOT SUPPORTED BY THE M200. IF WALL CLEANING IS IMPORTANT, THE LOWEST MODEL THAT SHOULD BE SELECTED IS S200.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"M200" Automatic Pool Cleaner	**091171**	**1.467,00**	1	16,000	

DOLPHIN "M400" AUTOMATIC POOL CLEANERS.
Self-powered, low micron cartridge or mesh filter, 18 m cable, 24 V motor, 16 m3/h flow rate. Designed for home pools between 10-12 m in length. The cleaning period is 2.5 hours. Self-programmed for optimal pool cleaning. Microprocessor controlled. Climbs the pool walls up to the waterline. With the patented tangle-free cable swivel system, it prevents damage caused by bending of the cable. It offers weekly programming with the options 'once a day, every two days, and every three days' via the power supply unit. With the 'My Dolphin' smartphone application, it provides manual use and weekly programming via the Internet. Triple Active Brushes. Easy interchangeable filter panels.
GYROSCOPE technology advanced system ensures accurate scanning for systematic coverage of floor, walls and waterline. Complete with caddy. 3 year warranty.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"M400" Automatic Pool Cleaner	**091181**	**2.250,00**	1	24,000	

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"M Series" Automatic Pool Cleaners







DOLPHIN 'M500' AUTOMATIC POOL CLEANERS.

New generation user-friendly with remote control power unit for setup and programming. Self-powered. Interchangeable low micron filter or mesh filter to remove both rough and fine dirt. 18 m cable, 24 V motor, 16 m³/h flow rate. Designed for home pools between 12-15 m in length. The cleaning period can be set as 2, 3, 4 hours. Self-programmed for optimal pool cleaning. Microprocessor controlled. Climbs up to the pool walls to the waterline. With the patented Tangle Free Cable Swivel System, to prevent cable damage due bending. A wide range of options for cleaning programs and parameters can be set with the new generation remote control and 'My Dolphin' application which can be installed on smartphones e.g. Cycle time, Climbing frequency, Standard or Ultra cleaning. When the filter is clogged, it gives a cleaning signal on the power unit. Easy access to the filters from the top. Using the WiFi My Dolphin Plus application, users can intervene at anytime, from anywhere; e.g. cleaning modes, delayed time, and weekly timer settings can be made. **Filter panels are easily changed by the user. "HIGHLY ACCURATE POOL SCANNING WITH GYROSCOPE TECHNOLOGY". Complete with caddy. 3 year warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
"M500" Automatic Pool Cleaner	**091182**	**2.843,00**	1	24,000	0,070



Scans the whole pool



Effective cleaning with the third brush



Easy access to the filters from the top

DOLPHIN "M600" AUTOMATIC POOL CLEANERS.

Self-powered. 18 m cable, designed for pools up to 15 m. Cleaning cycle can be programmed as 1.5, 2, 2.5 hours for optimal cleaning. With its patented **DUAL DRIVE POWERSTREAM** technology, it offers more effective movement, maneuvering and cleaning ability to the pool floor, wall and waterline. Prevents algae and bacteria from forming by brushing the entire pool surface with the double speed brushing system that moves two times faster than the robot. It is available with fast, standard, ultra-clean cleaning options. Thanks to its new layered filter, it separates the dirt particles by dimension and traps small and large-sized dirt separately. Thus, filter clogging takes longer than other models. It can be remotely controlled with the My Dolphin Plus application, which can be installed on smartphones, and allows the user to intervene on the internet anytime and anywhere; adjusting cleaning modes, delayed time settings and weekly timer settings etc. **Complete with caddy. 3 year warranty.**





Remote Control Optional

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
"M600" Automatic Pool Cleaner	**091183**	**3.342,00**	1	24,000	









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Automatic Pool Cleaners for Special Pools

DOLPHIN "BIO-S" AUTOMATIC POOL/POND CLEANERS.
esigned especially for 15 m **Ecologic/ Natural Swimming Pools and Ponds.** 18 m cable, patented swivel technology avoids the harm caused by cable bend. Cleaning cycle time can be selected 2, 3 or 4 hours. Next to 70 micron cartridge filter, there is an additional vacuum line that can connect to filtration system for the accumulation of the extra rough dirt. Thus, while rough dirt such as leaves and mud are kept in a central filter, small size dirt kept in cartridge filter. GEMAS Portable Vacuum Cleaners (see. Pg 211) can provide an effective and automatic cleaning in a pool that has no vacuum line. For better cleaning, standard extra 3rd brush. It's complete with user-friendly remote control and power unit. **Complete with caddy. 2 year warranty.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"BIO-S" Automatic Pool Cleaner	**091211**	**5.495,00**	1	24,000	

Automatic Pool Cleaners for Commercial Pools

DOLPHIN "2 x 2 PRO GYRO" AUTOMATIC POOL CLEANER.
New generation user friendly remote control and power supply. Two 50 micron self filters either disposable or permanent, 40 m cable, 24 V motor unit, 32 m^3/h flow rate. Designed for commercial pools up to 60 m. Cleaning cycle time can be selected as 4, 6 or 8 hours. Giroscope navigation provides precise pool scanning. Different cleaning modes and parameters can be selected for optimal pool cleaning; cycle time, pool length, climbing frequency, regular or ultra cleaning, water line definition. Climbs the pool walls and water lines. Warning signal when filter is blocked.
Complete with caddy and remote control. 2 year warranty.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"2 x 2 PRO GYRO" Auto. Pool Cleaner	**091151**	**10.408,00**	1	44,000	0,340

DOLPHIN "WAVE 30" AUTOMATIC POOL CLEANERS.
Effective pool scanning with double motion axle. 70 micron "permanent" or "disposable" type filters. 18 m cable. 16 m^3/h flow rate, 24 V motor. Design for pools up to 15 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes. **Complete with Caddy. 3 year warranty.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"WAVE 30" Automatic Pool Cleaner	**091201**	**3.326,00**	1		

DOLPHIN "C4" AUTOMATIC POOL CLEANERS.
New generation user-friendly remote control power unit. Designed for pools up to 20 m. Self-powered, low micron cartridge or mesh filter, 24 m cable, 24 V motor, 17 m^3/h flow rate. The cleaning period can be set as 1.5, 2.5, 3.5 hours. Non-deflection pool scanning powered by gyroscope technology. Self-programmed and microprocessor-controlled for optimal pool cleaning. Climbs up the pool wall. It signals when its filter is clogged. Easy access to the filters from the top. **Complete with caddy. 2 year warranty.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"C4" Automatic Pool Cleaner	**091172**	**4.192,00**	1	24,000	

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Automatic Pool Cleaners for Commercial Pools



DOLPHIN "WAVE 80" AUTOMATIC POOL CLEANERS.
Effective pool scanning in 4 hours, with the double motion axle. 70 micron "permanent" or "disposable" type filters. 24 m cable. 16 m³/h flow rate, 24 V motor. Design for pools up to 20 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes.
Complete with Caddy. 3 year warranty.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
"WAVE 80" Automatic Pool Cleaner	**091122**	**3.788,00**	1	23,000	

Note: This robot is identical to Wawe 50. Wawe 50 sales will remain limited with stocks.



DOLPHIN "WAVE 100" AUTOMATIC POOL CLEANERS.
New generation user-friendly remote control and power unit. Effective pool scanning in 4 hours, with the double motion axle. 70 micron "permanent" or "disposable" type filters. 24 m cable. 16 m³/h flow rate, 24 V motor. Design for pools up to 25 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes. **Complete with Caddy. 3 year warranty.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
"WAVE 100" Automatic Pool Cleaner	**091142**	**5.378,00**	1	25,000	



Dolphin "WAVE 200" Automatic Pool Cleaner.
It provides professional cleaning for pools up to 40 m. It seperates the dust inside the water to 3 different sizes and increases filtration area by cycling the water. All filter layers can be seperated and used individually. With the help of Man-Machine Interface (MMI), specifications of the pool can be installed and max performance is obtained. With the navigation system, the robot has the most accurate navigating capabilities. Active brushes, prevents the algea and bacteria growth. 40 m³/h flow rate. Geometric design of monoblock brushes, pushes the dirt directly to vaccum holes. The specifications of MMI, navigation system and 4 of different pool memory are identical with Wave 300XL.
Complete with Caddy. 2 year warranty.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
"WAVE 200" Automatic Pool Cleaner	**091207**	**13.801,00**	1	91,000	

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Automatic Pool Cleaners for Commercial Pools

DOLPHIN "WAVE 300 XL" AUTOMATIC POOL CLEANER.
50 micron three different types of filters; standard, coarse and disposable. Complete with caddy, user friendly interactive control panel, and remote control. Designed for commercial pools up to 60 m. scanning guarantee for 100% of the pool with the navigation technology that is used for the first time in automatic pool cleaners. Can memorize four different pools.
Complete with Caddy. 2 year warranty.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
"WAVE 300 XL" Auto. Pool Cleaner	**091161**	**20829,00**	1	101,000	0,150





Crystal clear pools with the 21st century technology

"Dolphin Wave 300 XL"



Wave 300 XL, is the new generation automatic pool cleaner of MAYTRONICS; world leader in the sector of automatic pool cleaners. Wave 300 XL is designed specifically for the systematic and stable cleaning of the olympic pools as a highly professional robot compared to all other robots in the market.


Dolphin Wave 300 XL


50 microns filter system


Digital control panel


Remote control device

Active Brush System: Hard brushes of polyethylene plastic brushes and rubs the pool and prevents algea and bacteria. Small brushes on the sides reaches to every edge, corner and water line.
Scanning Method: WAVE 300 XL has a navigation brain unique in the market which guarantees 100% scanning.
Filtration: Automatic pool cleaners cleans the pool with their integrated filters. This is an advantage compared to manual cleaners which uses the pool filter, as they cause faster blockage of the filter. This results with more back washing, so more loss of water and chemicals. As all other automatic pool cleaners
WAVE 300 XL is environmentally-friendly and economic in this sense. Moreover, with 40 m^3/h vacuum rate and 50 micron filter **WAVE 300 XL** offers you much more than manual cleaning.
MMI: All the control of the robot is realized with the interactive digital interface panel which is called MMI. With this state of the art device you may set all the parameters of the robot, give comment for delayed start up in order to wait for the sedimentation of dirt on the floor, or give comment for automatically going in and out of the water. You may also control the robot manually with the remote control. Although **WAVE 300 XL** is a heavy duty robot, it is the leading public pool cleaner in the market with the highest performance/cost ratio in the market and with the easiness of its use and maintenance.


Wave 300 XL entrance to pool.


Wave 300 XL can be controlled remotely.

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Dolphin Robot Cleaners Selection Table

	E10	S100	S200	S300	S300i	M200	M400	M500	M600	WAVE 30	C4	WAVE 80	WAVE 100	WAVE 200XL	2X2 PRO GYRO	WAVE 300XL	BIO-S
Only Floor	●													●		●	
Walls and Floor						●											
Floor, Walls and Water Line		●	●	●	●		●	●	●	●	●	●	●		●		●
Smart Scan	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Extra Brush							●	●	●								●
Type of Brush	PVC	PVC	PVC	PVC	PVC	Combined	Wonder Brush	Wonder Brush	PVC	Wonder Brush	Wonder Brush	Wonder Brush	Wonder Brush	PVC	Wonder Brush	PVC	PVC
Pool Length (m)	8	8	12	12	12	10	12	12-15	15	15-18	20	18-20	20-25	30-40	25-33	40-60	15
Easy Access to Filter	●	●	●	●	●		●	●	●		●						●
Swivel						●	●	●	●	●	●	●	●		●		●
Caddy				●	●	Stand	●	●	●	●	●	●	●	●	●	●	●
Remote Control					Smart phone		Smart phone	●	Optional		●		●	●	●	●	●
Warranty (Year)	2	2	2	2	2	2	3	3	3	3	2	3	3	3	2	2	2
Cycle Time (Hour)	1.5	1.5	2	2	1.5,2,2.5	3	2.5	1.5,2.5,3.5	1.5,2,2.5	3	1.5,2.5,3.5	3	4, 6, 8	1 - 8	4, 6, 8	1 - 8	2, 3, 4
MyDolphin Smart Phone					●		●	●	●								●
Timer					●												●
Full Filter Alert					●			●	●				●	●	●	●	●

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Automatic Suction Pool Cleaner

GEMAS "S250 AUTOMATIC SUCTION POOL CLEANER".
Operates on hydraulic vacuuming principle. Complete with 11 m special hose.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
S250 Automatic Cleaner	09123	**186,00**	1	6,290	0,069

HOSE FOR GEMAS "S250 AUTOMATIC SUCTION POOL CLEANER". 1 m



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
S250 Hose	09123Y01	**18,00**	1		

Compact Suction Cleaner - Cartridge Filter

Compact Suction Cleaner.
Assembled on a st. steel wheel caddy, complete with cartridge filter, monophase self-priming pump, Poolvac manual cleaner, hose, telescopic pole and checkvalve. Fuse and 18 m cable included. Designed for pools which do not have suction inlet. Can be used as a filtration unit as well.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
11 m3/h - 3/4 HP Pump	093101	**1.455,00**	1	37,000	
16 m3/h - 1/2 HP Pump	093102	**1.518,00**	1	40,000	



Compact Suction Cleaner - Sand Filter

Compact Suction Cleaner.
Assembled on a st. steel wheel caddy, complete with sand filter, filtration media, monophase self-priming pump, Poolvac manual cleaner, hose, telescopic pole. Fuse and 18 m cable included. Designed for pools which do not have suction inlet. Can be used as a filtration unit as well. Sand is included in the price.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
6 m3/h. Sand Filter-1/2 HP Pump	093103	**1.442,00**	1		

PS: Please ask price for larger capacities.



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Manual Pool Cleaners



GEMAS "POOLVAC" Pool Cleaner.
For concrete pools. Anodized aluminum body.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
With butterfly nut, 11/2"-L=346 mm	**092111**	**39,00**	1	2,382	0,012
With butterfly nut, 11/2"-L=456 mm	**092112**	**44,00**	1	3,094	0,015
With clip, 11/2"-L=346 mm	**092121**	**39,00**	1	2,388	0,012
With clip, 11/2" -L=456 mm	**092122**	**44,00**	1	3,220	0,015
With butterfly nut, 2"-L=456 mm	**0921121**	**45,00**	1	3,060	0,015
With clip, 2"-L=456 mm	**0921122**	**45,00**	1	3,128	0,015



GEMAS "FOLD-VAC" Pool Cleaner.
For concrete pools. Aluminum body can be folded. Efficient cleaning is provided at pool coves and edges. Each model is 1/2" and 2" connection with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 35,5 cm	**092211**	**105,00**	1	3,000	0,017
Width: 45,5 cm	**092212**	**116,00**	1	3,500	0,018



GEMAS "POOLKING" Pool Cleaner.
For concrete pools with wide openings. Aluminum body. Wheel group and hose connection made of chrome bronze and stainless steel. 2'' Hose connection. Cleaner scanning width, L=80 cm

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pull Type	**09213**	**652,00**	1	10,008	0,020
With fork for using with Handle	**09214**	**794,00**	1	11,516	0,032



GEMAS "LEAF" Pool Cleaner.
Plastic body with brush. No wheels for liner and concrete pools. Operates with water jet. 1 1/2" hose connection with clip. Ø 38 cm body dia.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09222	**35,00**	1	0,860	
Spare bag	**092221**	**8,00**	1		

Manual Pool Cleaners - Liner

GEMAS "LUXVAC" POOL CLEANER.

Plastic Body. Brushes on body for concrete and liner pools. 1 1/2" hose connection. Pole connection is with clip. Control on top for vacuum strength.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Luxvac pool cleaner	09215	29,00	1		



GEMAS "TRIANGLE" POOL CLEANER.

Plastic glare body. Brushes on body for concrete and liner pools. 1 1/2'' hose connection. Pole connection is with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Triangle Pool Cleaner	09217	30,00	1	1,380	0,013



GEMAS "BUTTERFLY" POOL CLEANER.

Plastic Body. Brushes on body for concrete and liner pools. 1 1/2'' hose connection. Pole connection is with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Butterfly pool cleaner	09218	21,00	1	0,868	0,007
Butterfly pool cleaner - Side Brush	09219	25,00	1	1,048	0,008



GEMAS "HEAVY-DUTY FLEX" POOL CLEANER.

Plastic Body. 2500 gr weight for heavy duty usage. Wheels with Adjustable height. Suitable for both concrete and liner pools d38 mm hose connection. Pole connection with clip. Brushes and wheels on body for concrete and liner pools. 1 1/2'' hose connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Heavy-Duty Flex	09224		1		
Metallic Handle	0922401		1		
Flex pool cleaner	09220	32,50	1		
Ditto, with side brushes	09223	34,00	1		



"AQUAQUIK" POOL AND SPA CLEANER.

Manual cleaner with hand pump for easy cleaning in pools and spas. Works without hose. Package is complete with flat scoop, brush, wide and narrow suction heads and wall assembly part. Length:140 cm. Dia: 7,5 cm

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pool & SPA VAC	09216	69,00	1	1,418	0,060





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Vacuum Hoses



GEMAS VACUUM HOSE.
Economic blue and white colored, 30 m roll. Without adapter.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
D.38 mm, 1 1/2"- Price per meter.	09511	4,90	30	4,992	0,152
D.50 mm, 2"- Price per meter.	09512	6,00	30	7,696	0,298



GEMAS VACUUM HOSE.
Blue or white colored. Different lengths of D.38 mm, special hose adapter included. Sold in box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" - 8 m	095111	48,00	1	2,784	0,073
1 1/2" - 10 m	095112	73,00	1	3,112	0,073
1 1/2" - 12 m	095113	85,00	1	3,340	0,073
1 1/2" - 15 m	095114	108,00	1	3,932	0,073



GEMAS VACUUM HOSE.
Blue or white colored. Different lengths of D.50 mm, special hose adapter included. Sold in box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2" - 12 m	095121	88,00	1	4,646	0,127
2" - 15 m	095122	107,00	1	5,372	0,127
2" - 18 m	095123	126,00	1	6,098	0,127



GEMAS "EVAPOOL VACUUM HOSE".
Economic blue striped, white colored. 30 m rolls.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
D.38 mm, 1 1/2"- Price per meter.	09511E	5,50	30 m		
D.50 mm, 2"- Price per meter.	09512E	10,25	30 m		



GEMAS "EVAPOOL VACUUM HOSE".
Blue striped, white colored. Different lengths of D.38 mm. With special adapter.Sold in box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" - 8 m	09511E1	52,00			
1 1/2" - 10 m	09511E2	77,00			
1 1/2" - 12 m	09511E3	91,00			
1 1/2" - 15 m	09511E4	115,00			



GEMAS "EVAPOOL VACUUM HOSE".
Blue striped, white colored. Different lengths of D.50 mm. With special adapter. Sold in box.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2" - 12 m	09512E1	136,00			
2" - 15 m	09512E2	173,00			
2" - 18 m	09512E4	207,00			

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Hose Adapters and Clips

GEMAS LINK CONNECTOR.
For connection of Ø 38 mm hose to "04134" suction inlet, in white ABS plastic. 1 1/2" threaded.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09821	4,80	20	0,812	0,006

BULLDOG CLIP. In stainless steel. **For Gemaş hose**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Ø 38 mm. (1 1/2") hose	09831	11,25	100	3,000	0,001
For Ø 50 mm. (2") hose	09832	13,50	50	1,800	0,002

GEMAS HOSE CUFFS. In flexible PVC plastic, threaded inside.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Ø 38 mm. (1 1/2") hose	09811	2,80	120	6,000	0,028
For Ø 50 mm. (2") hose	09812	3,60	120	7,200	0,028
For both Ø38 mm and Ø50 mm Gemas Eva hose.	09813	4,20	120	10,800	0,064
For both Ø38 mm and Ø50 mm Gemas hose.	09814	4,20	120	10,800	0,064

GEMAS THREADED HOSE CUFFS. In PVC plastic, 1 1/2" male threaded.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Ø 38 mm.	09841	4,00		0,040	

GEMAS HOSE COLLECTION WHEEL.
Made of ABS plastic. 15 m of D.38 Hose collection capacity.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Hose wheel	09513	91,00	1	2,678	0,044

GEMAS LEAF TRAP.
Transparent body. Designed to assemble on vacuum hose. Can be cleaned easily. Complete with hose connections, Ø 38 mm. (please ask adaptors for Ø 50 mm).



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Leaf Trap	09851	48,00	1		

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Leaf Scoops



GEMAS LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09710	19,50	12	3,350	0,053



GEMAS LEAF SKIMMER IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09720	18,50	12	3,780	0,053



GEMAS "LUX" LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09730	19,50	12	7,950	0,085



GEMAS "ECONOMIC" LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09740	10,25	12		



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Pool Brushes

GEMAS VACUUM BRUSH IN PLASTIC.
Pool wall brush, standard. With hose connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09624	25,50	1		



GEMAS WALL BRUSH IN PLASTIC. Pool wall brush, 60 cm, standard.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09622	17,50	1		



GEMAS WALL BRUSH IN PLASTIC. Pool wall brush, 90 cm, standard.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09623	24,50	1		



GEMAS CURVED BRUSH IN PLASTIC. Pool wall brush, 46 cm, standard.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09620	10,00	1	0,348	0,002



GEMAS FLOOR BRUSH IN PLASTIC.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Düz. 12,5 cm.	09611	8,50			
Düz. 26 cm.	09626	10,00	2	0,244	0,002



GEMAS ALGAE BRUSH WITH STAINLES STEEL BRISTLES.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
W=12,50 cm	09612	25,00	1	0,160	0,001
W=25,00 cm	09613	26,00	1	0,304	0,002



GEMAS CORNER BRUSH. Corner Brush. Circular. Plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09640	7,80	1	0,114	0,001



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Auxiliary Cleaning Equipment



GEMAS SCRUBBING PAD. With plastic handle.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09633	15,60			



GEMAS SCRUBBING PAD. Plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09632	2,35		0,050	0,050



GEMAS "LUX" LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09630	10,80		0,296	0,001



GEMAS PUMICE. Plastic clip body. Used for algae cleaning between ceramics.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09631	20,40		0,096	



GEMAS LIFEGUARD HOOK. Aluminum.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09800	25,00		0,408	0,044



GEMAS LIFEGUARD RING. Plastic.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Big Life Buoy 440x700	09809	132,00	1		
Small Life Buoy	09810	66,00	1		



GEMAS LIFEGUARD RING - WALL HANG PART. Stainless Steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	09815	112,00	1		

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Telescopic Handles

TELESCOPIC HANDLES.
In anodized aluminium (natural or gold color). Connection via clip or butterfly nut.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 x 1,5 m	**09410**	**22,00**	1	0,430	0,159
1 x 3 m	**09420**	**31,00**	1	0,890	0,312
2 x 2 m	**09430**	**34,00**	1	1,100	0,220
2 x 2,4 m	**09490**	**41,00**	1	1,600	0,261
2 x 3 m	**09440**	**48,00**	1	1,500	0,323
3 x 1,5 m	**09450**	**39,00**	1	1,300	0,169
3 x 2 m	**09460**	**45,00**	1	1,540	0,220
3 x 3 m	**09470**	**61,00**	1	2,200	0,328
3 x 6 m	**09480**	**140,00**	1	4,200	0,630


09420

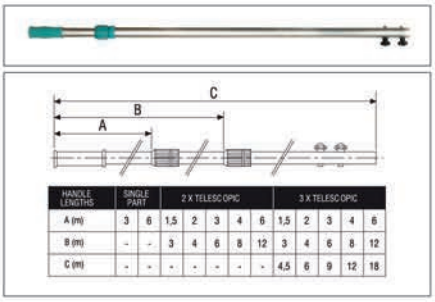

09430

TELESCOPIC HANDLE.
Aluminum, blue anodized. Stripy lower body.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 x 1,8 m	**09489**	**38,00**	1	0,800	0,262
2 x 2,4 m	**09491**	**41,00**	1	1,000	0,262
2 x 3,0 m Blue	**09492**	**55,00**	1		


09489


09491



HANDLE LENGTHS	SINGLE PART		2 X TELESCOPIC					3 X TELESCOPIC				
A (m)	3	6	1,5	2	3	4	6	1,5	2	3	4	6
B (m)	-	-	3	4	6	8	12	3	4	6	8	12
C (m)	-	-	-	-	-	-	-	4,5	6	9	12	18

WALL HANG SET FOR TELESCOPIC HANDLE.
Made of Plastic. Complete with screws.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Wall Hang Set	**09400**	**5,65**	1	0,160	0,001



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Pool Thermometers



Pool Thermometers, floating.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Thermometer - Floating Type (Duck)	**10414**	**9,45**	24		
Thermometer - Floating Type (Fish)	**10412**	**9,45**	24		
Thermometer - Floating Type (Turtle)	**10415**	**9,45**	24		



Pool Thermometer, to be connected to the ladder.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Thermometer - Floating Type	**10411**	**5,40**	1	0,090	
To be connected to the ladder	**10421**	**5,80**	1	0,068	



Pool Thermometer, floating and circular scaled, Ø 190 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	10431	**32,00**	1	0,298	0,010



Digital Pool Thermometer with Solar Battery, Ø 80 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	10432	**36,54**	1	0,140	0,001

Pool Ice Barrier



Pool Ice Barrier. Made of Plastic. 49 x 24 cm size floating barrier is arrayed all around the pool perimeter. Protects the pool coating by absorbing the expansion of freezing at very low atmospheric temperature.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ice Barrier	**1297105**	**16,00**	Piece		

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Pool Heat Pumps

GEMAS Heat Pump.

Uses the extant heat in the air for 80% of the total energy required to heat up the pool. Consumes electrical energy only for the 20% of the required heat.

- Operational costs are 80% lower compared to natural gas. System can be used for heating or cooling. It is the only solution for shock pools.
- The heat exchanger that transfers energy from air to water is made of titanium. It can be installed in the pools with sea water.
- An electronic-digital control board on the device that also shows the temperature of the water.
- Heating or cooling modes are also selected with the help of this board.
- The heat pump can easily be installed on the extant pool installations without any infrastructural problems.
- The heat pump is designed to change the water temperature by ±12°C in 5 days when the outside temperature 20°C.
- Using a solar pool cover that provides isolation will shorten the time and reduce energy consumption.
- The heat pump does not work efficiently when the ambient temperature is below 10°C.



101313



101315



101317



101320

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
030MS3 - Heating/Cooling, 12,6 kW	**101313**	**3.933,00**	1		
040MS3 - Heating/Cooling, 18,9 kW	**101314**	**5.412,00**	1		
060MS3 - Heating/Cooling, 25,2 kW	**101315**	**6.346,00**	1		
080MS3 - Heating/Cooling, 33,8 kW	**101317**	**10.596,00**	1		
100MS3 - Heating/Cooling, 42 kW	**101318**	**10.811,00**	1		
120MS3 - Heating/Cooling, 50,4 kW	**101320**	**13.528,00**	1		

ATTENTION! :

Below pool volumes are valid during the heating period (1 may - 15 september) for the conditions when the system is on for 15 hours a day and the pool is covered with an isolated cover during the night. If these conditions cannot be fulfilled, a larger model is recommended.

Model	FPHC	030T	045T	060T3	080T3	100T3	120T3
Cooling gas		R410A	R410A	R410A	R410A	R410A	R410A
Heating Capacity*	kW	12,6	18,9	25,2	33,0	42,0	50,4
COP* A:24/W:28	W/W	5,5	5,5	5,5	5,5	5,5	5,5
Input Power*	kW	2,29	3,44	4,58	6,11	7,64	9,16
Input Current*	A	10,4	15,6	8,7	11,6	14,5	17,4
Heating Capacity**	kW	10,5	15,8	21,0	28,0	35,0	42,0
COP** A:15/W:28	W/W	4,6	4,6	4,6	4,6	4,6	4,6
Input Power**	kW	2,28	3,43	4,57	6,09	7,61	9,13
Input Current**	A	10,4	15,6	8,7	11,6	14,5	17,3
Havuz Hacmi ****	m^3	30	50	65	80	130	180
Cooling Capacity (A35W28)	kW	7,5	11,3	15,0	20,0	25,0	30,0
	BTU/h	25590	38385	51180	68240	85300	102360
COP A:35/W:28	W/W	2,8	2,8	2,8	2,8	2,8	2,8
Input Power	kW	2,68	4,02	5,36	7,14	8,93	10,71
Input Current	A	13,4	20,1	10,7	14,3	17,9	21,4
Power Supply	V/PH/Hz	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50
Compressor		Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
Compressor Qty		1	1	1	2	2	2
Fan Qty		1	1	1	2	2	2
Noise	dB(A)	52	54	55	58	60	62
Water Out let/Water In let	inch	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"
Water Flow Volume	m^3/h	3,61	5,42	7,22	9,63	12,04	14,45
Water Pressure Drop	kpa	15	16	16	18	18	18
Fan Direction		Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Unit Net Dimensions (L/M/H)	mm	640/590/790	710/660/940	810/660/940	810/660/990	1450/730/1135	1450/730/1335
Unit Shipping Dimensions (L/M/H)	mm	680/630/910	750/700/1060	850/700/1060	850/700/1110	1520/750/1290	1520/750/1490
Net Weight	kg	80	98	113	240	260	280
Shipping Weight	kg	88	120	125	270	290	310

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Heat Exchangers, Shell & Tube Type



GEMAS Heat Exchangers, Shell and Tube Type. Made of AISI 316 quality Stainless Steel. Max. pressure 10 bars. Operated by 90-70 °C hot water from the boiler. Connection cuffs are not included.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
22.000 kcal/h Conn.: Pool side 1 1/2"- boiler side 3/4"	101210	671,00	1		
35.000 kcal/h Conn.: Pool side 1 1/2"- boiler side 3/4"	101211	700,00	1		
40.000 kcal/h Conn.: Pool side 1 1/2"- boiler side 3/4"	101217	751,00	1		
65,000 kcal/h Conn.: Pool side 1 1/2"- boiler side 1"	101212	828,00	1		
80.000 kcal/h Conn.: Pool side 2"- boiler side 1"	101218	885,00	1		
90.000 kcal/h Conn.: Pool side 2"- boiler side 2x1"	101213	903,00	1		
110.000 kcal/h Conn.: Pool side 2"- boiler side 1"	101219	936,00	1		
180.000 kcal/h Conn.: Pool side 2"- boiler side 2x11/2"	101214	1.862,00	1		
220.000 kcal/h Conn.: Pool side 2"- boiler side 2x2"	101220	1.904,00	1		
250.000 kcal/h Conn.: Pool side 2"- boiler side 2x2"	101215	1.944,00	1		
330.000 kcal/h Conn.: Pool side 2"- boiler side 2x2"	101221	2.350,00	1		
400.000 kcal/h Conn.: Pool side 2"- boiler side 2x2"	101216	2.650,00	1		
St. Steel Wall Clampset	10121101	138,00	1		



Heat Exchangers, Shell and Tube Type. With plastic body, AISI 316/Titanium-Corrugated Metal Coil. The plastic body is resistant to high pressure and corrosion. It is attractive in terms of cost advantage and quality. It works with hot water (90/70°C) from the boiler. Max. pressure: Primary (boiler side) circuit 6 bar, secondary (poolside) 2 bar. Connection fittings are ABS, O-rings are silicone.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
D-KWT 25, 25 kW - 21,500 kcal/h, AISI 316	101201	412,00	1		
D-KWT 45, 45 kW - 39,560 kcal/h, AISI 316	101202	486,00	1		
D-KWT 85, 85 kW - 78,260 kcal/h, AISI 316	101203	765,00	1		
D-KWT 105, 105 kW - 108,360 kcal/h, AISI 316	101204	1.238,00	1		
D-KWT 25, Titanium	101201T	738,00	1		
D-KWT 45, Titanium	101202T	860,00	1		
D-KWT 85, Titanium	101203T	1.386,00	1		
D-KWT 105, Titanium	101204T	1.970,00	1		





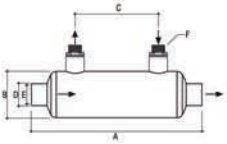
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Heat Exchangers, Shell & Tube Type

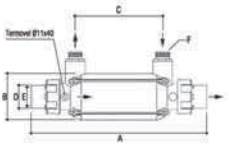
Model		D-KWT 25	D-KWT 45	D-KWT 85	D-KWT 105
Heating Capacity	kw	25	45	91	126
Heating Capacity	kcal/h	21.500	39.560	78.260	108.360
Temperature difference	°C	70 = 0.36 kW/°C	70 = 0.66 kW/°C	70 = 1.3 kW/°C	70 = 1.8 kW/°C
Area	m^2	0.09	0.15	0.33	0.54
Flow Primary*	m^3/h	2	2	2	2
Flow Secondary*	m^3/h	8	10	12	15
Pressure Loss Primary*	bar	0.10	0.15	0.28	0.36
Pressure Loss Secondary*	bar	0.11	0.15	0.22	0.30
Max. Pressure Primary*	bar	6	6	6	6
Max. Pressure Secondary*	bar	2	2	2	2
Outer Body		PP 30% Fiberglass	PP 30% Fiberglass	PP 30% Fiberglass	PP 30% Fiberglass
Connection Socket		ABS	ABS	ABS	ABS
O-ring		Silicon	Silicon	Silicon	Silicon
Spiral Hose		AISI 316 / Titanium	AISI 316 / Titanium	AISI 316 / Titanium	AISI 316 / Titanium
Weight	kg	1.8	2.2	3.6	5.3
Packaging Volume	m^3	0.079	0.095	0.162	0.233

*Primary: Heating fluid, Secondary: Heating fluid (Pool water)
**The technical value table above also applies to Gemas Shell and Tube Type Heat Exchangers.

Heat Exchanger Type	Dimensions					
	A (mm)	B (mm)	C (mm)	D	E (mm)	F
101210 - 22.000 kcal/h	350	110	135	D.63-PN10	50	3/4"
101217 - 40.000 kcal/h	420	110	205	D.63-PN10	50	3/4"
101212 - 65.000 kcal/h	665	110	450	D.63-PN10	50	1"
101218 - 80.000 kcal/h	710	110	495	D.63-PN10	50	1"
101219 - 110.000 kcal/h	1020	110	805	D.63-PN10	50	1"



Heat Exchanger Type	Dimensions					
	A (mm)	B (mm)	C (mm)	D	E (mm)	F
D-KWT25 AISI 316/Titanium	345	110	135	D.63-PN10	50	3/4"
D-KWT45 AISI 316/Titanium	415	110	205	D.63-PN10	50	3/4"
D-KWT85 AISI 316/Titanium	705	110	495	D.63-PN10	50	1"
D-KWT105 AISI 316/Titanium	1015	110	805	D.63-PN10	50	1"



Shell & Tube Type Heat Exchanger Selection Chart

Model	D-KWT 25			D-KWT 45			D-KWT 85			D-KWT 105		
Pool Water	**20 °C**	**24 °C**	**28 °C**	**20 °C**	**24 °C**	**28 °C**	**20 °C**	**24 °C**	**28 °C**	**20 °C**	**24 °C**	**28 °C**
Heating Capacity	**25 kW**	**23,5 kW**	**22,1 kW**	**46 kW**	**43,4 kW**	**40,7 kW**	**91 kW**	**85,8 kW**	**80,6 kW**	**126 kW**	**118.8 kW**	**111,6 kW**
Primary Input/Output	90/79°C	90/79,6°C	90/80,2°C	90/69,6°C	90/70,8°C	90/72°C	90/49,6°C	90/52°C	90/54,2°C	90/34°C	90/37,3°C	90/40,5°C
Secondary Input/Output	20/22,7°C	24/26,5°C	28/30,4°C	20/24°C	24/27,8°C	28/31,5°C	20/26,5°C	24/30,2°C	28/33,8°C	20/27,2°C	24/30,8°C	28/34,4°C
Heating Capacity	**21,5 kW**	**20 kW**	**18,6 kW**	**39 kW**	**36,4 kW**	**33,7 kW**	**78 kW**	**72,8 kW**	**67,6 kW**	**108 kW**	**100,8 kW**	**93,6 kW**
Primary Input/Output	80/70,5°C	80/71,2°C	80/71,8°C	80/62,8°C	80/64°C	80/65,1°C	80/45,5°C	80/47,8°C	80/50,1°C	80/32,3°C	80/35,5°C	80/38,7°C
Secondary Input/Output	20/22,3°C	24/26,2°C	28/30°C	20/23,4°C	24/27,1°C	28/30,9°C	20/25,6°C	24/29,2°C	28/32,9°C	20/26,2°C	24/29,8°C	28/33,4°C
Heating Capacity	**18 kW**	**16,5 kW**	**15,1 kW**	**32 kW**	**29,4 kW**	**26,7 kW**	**65 kW**	**59,8 kW**	**54,6 kW**	**90 kW**	**82,8 kW**	**75,6 kW**
Primary Input/Output	70/62°C	70/62,8°C	70/63,4°C	70/55,9°C	70/57°C	70/58,3°C	70/41,4°C	70/43,7°C	70/46°C	70/30,4°C	70/33,6°C	70/36,7°C
Secondary Input/Output	20/21,9°C	24/25,8°C	28/29,6°C	20/22,8°C	24/26,5°C	28/30,3°C	20/24,7°C	24/28,3°C	28/31,9°C	20/25,2°C	24/28,8°C	28/32,4°C
Heating Capacity	**14,5 kW**	**13 kW**	**11,6 kW**	**25 kW**	**22,4 kW**	**19,7 kW**	**52 kW**	**46,8 kW**	**41,6 kW**	**72 kW**	**64,8 kW**	**57,6 kW**
Primary Input/Output	60/53,6°C	60/54,3°C	60/54,9°C	60/49°C	60/50,2°C	60/51,4°C	60/37,2°C	60/39,5°C	60/41,8°C	60/28,4°C	60/31,6°C	60/34,8°C
Secondary Input/Output	20/21,6°C	24/25,4°C	28/29,2°C	20/22,1°C	24/25,9°C	28/29,7	20/23,7°C	24/27,4°C	28/31°C	20/24,1°C	24/27,7°C	28/31,3°C
Heating Capacity	**11 kW**	**9,5 kW**	**8,1 kW**	**18 kW**	**15,4 kW**	**12,7 kW**	**39 kW**	**33,8 kW**	**28,6 kW**	**54 kW**	**46,8 kW**	**39,6 kW**
Primary Input/Output	50/45,2°C	50/45,9°C	50/46,5°C	50/42,1°C	50/43,3°C	50/44,5°C	50/33°C	50/35,2°C	50/37,5°C	50/26,4°C	50/29,6°C	50/32,7°C
Secondary Input/Output	20/21,2°C	24/25°C	28/28,9°C	20/21,5°C	24/25,3°C	28/29,1°C	20/22,8°C	24/26,4°C	28/30,1°C	20/23,1°C	24/26,7°C	28/30,3°C

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Plate Heat Exchangers - High Pressure Drop





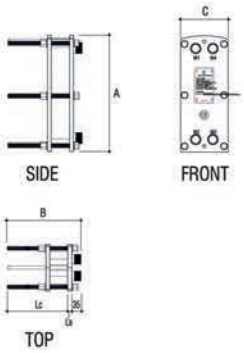


101260 Optional

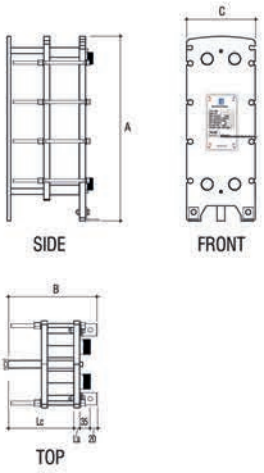
GEMAS Stainless Steel Plate Heat Exchanger. Made of AISI 316 quality stainless steel with nitryl or EPDM seal exchangers. Operated by 90-70°C hot water from boiler. Max. pressure 10 bars - Max. heat 130°C. Pressure loss from boiler and pool is 5 mwh.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
30,000 kcal/h, 504 Body, 5 Pl.	101251	479,00	1		
40,000 kcal/h, 504 Body, 6 Pl.	101252	494,00	1		
50,000 kcal/h, 504 Body, 7 Pl.	101253	514,00	1		
60,000 kcal/h, 504 Body, 8 Pl.	101254	525,00	1		
70,000 kcal/h, 504 Body, 10 Pl.	101255	567,00	1		
80,000 kcal/h, 504 Body, 10 Pl.	101256	567,00	1		
90,000 kcal/h, 504 Body, 12 Pl.	101257	641,00	1		
100,000 kcal/h, 504 Body, 12 Pl.	101258	641,00	1		
125,000 kcal/h, 504 Body, 16 Pl.	101259	671,00	1		
150,000 kcal/h, 504 Body, 20 Pl.	101261	788,00	1		
175,000 kcal/h, 504 Body, 24 Pl.	101262	824,00	1		
200,000 kcal/h, 514 Body, 10 Pl.	101263	1.200,00	1		
250,000 kcal/h, 514 Body, 12 Pl.	101264	1.270,00	1		
300,000 kcal/h, 514 Body, 14 Pl.	101265	1.346,00	1		
325,000 kcal/h, 514 Body, 14 Pl.	101266	1.386,00	1		
400,000 kcal/h, 514 Body, 18 Pl.	101267	1.555,00	1		
500,000 kcal/h, 514 Body, 22 Pl.	101268	1.680,00	1		
600,000 kcal/h, 514 Body, 28 Pl.	101269	1.858,00	1		
Thermostat and Solenoid Automation	101260	748,00	1		

504 BODY



514 BODY



Body Model	A (mm)	B (mm)	C (mm)
504 BODY	490	La+Lc+35	200
514 BODY	942	La+Lc+40+20	350

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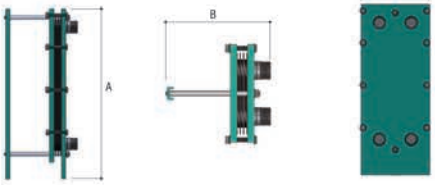
Plate Heat Exchangers - Low Pressure Drop

GEMAS Plate Heat Exchangers.
Plates made of AISI 316 quality stainless steel, with nitryl or EPDM gaskets. Body plates are 20 mm and painted over galvanization. Operated by 90-70°C hot water from boiler. Max Pressure 10 bar - Max temperature 130°C. Pressure losses from the sides of the pool and boiler are shown seperately for each capacity.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
40,000 kcal/h: Pool side 1,02 mwh -	**101231**	**738,00**	1	34,500	
Boiler side 1,00 mwh 2,00 - 2,00 m3/h 6 pl.					
65,000 kcal/h: Pool side 1,16 mwh -	**101232**	**788,00**	1	35,900	
Boiler side 1,20 mwh 3,20 - 3,30 m3/h 8 pl.					
90,000 kcal/h: Pool side 1,28 mwh -	**101233**	**837,00**	1	64,000	
Boiler side 1,29 mwh 4,50 - 4,60 m3/h 10 pl.					
110,000 kcal/h: Pool side 1,21 mwh -	**101234**	**879,00**	1	65,200	
Boiler side 1,90 mwh 5,50 - 5,60 m3/h 11 pl.					
130,000 kcal/h: Pool side 1,18 mwh -	**101235**	**938,00**	1	85,600	
Boiler side 1,71 mwh 6,50 - 6,60 m3/h 13 pl.					
150,000 kcal/h: Pool side 1,55 mwh -	**101236**	**972,00**	1	87,200	
Boiler side 1,60 mwh 7,50 - 7,70 m3/h 14 pl.					
180,000 kcal/h: Pool side 1,65 mwh -	**101237**	**1.043,00**	1	87,200	
Boiler side 1,70 mwh 9,00 - 9,20 m3/h 16 pl.					
225,000 kcal/h: Pool side 1,58 mwh -	**101238**	**1.171,00**	1	88,800	
Boiler side 1,63 mwh 11,00 - 11,00 m3/h 20 pl.					
300,000 kcal/h: Pool side 1,63 mwh -	**101239**	**1.327,00**	1		
Boiler side 1,97 mwh 15,00 - 15,40 m3/h 25 pl.					
400,000 kcal/h: Pool side 1,71 mwh -	**101240**	**1.571,00**	1		
Boiler side 1,97 mwh 20,00 - 20,50 m3/h 33 pl.					
500,000 kcal/h: Pool side 1,81 mwh -	**101241**	**1.859,00**	1		
Boiler side 1,87 mwh 25,00 - 26,00 m3/h 41 pl.					
700.000 kcal/h: Pool side 1,14 mwh -	**101242**	**2.481,00**	1		
Boiler side 1,88 mwh 27,00 - 36,00 m3/h 62 pl.					





SIDE TOP FRONT



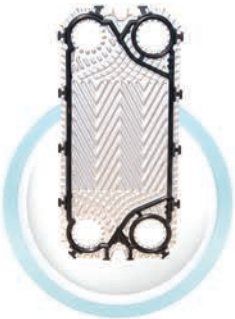
101260 Optional

DIMENSIONS	A (mm)	B (mm)	C (mm)
	580	250	290

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Plate Heat Exchangers-Titanium-Low Pressure Drop

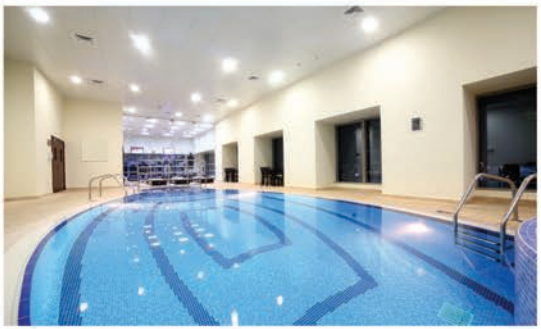




GEMAS Titanium Plate Exchanger.
Titanium plates resistent to sea water. Seals of nitrile or EPDM. Operated by 90-70°C hot water from boiler. Max pressure 10 bars, max temperature 130°C. Pressure losses from the side of the pool and the boiler are shown below separately for each capacity.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
40,000 kcal/h: Pool side 1,02 mwh -	**101231T**	**1.553,00**	1	34,500	
Boiler side 1,00 mwh 2,00 - 2,00 m3/h 6 pl.					
65,000 kcal/h: Pool side 1,16 mwh -	**101232T**	**1.757,00**	1	35,900	
Boiler side 1,20 mwh 3,20 - 3,30 m3/h 8 pl.					
90,000 kcal/h: Pool side 1,28 mwh -	**101233T**	**1.949,00**	1	64,000	
Boiler side 1,29 mwh 4,50 - 4,60 m3/h 10 pl.					
110,000 kcal/h: Pool side 1,21 mwh -	**101234T**	**2.046,00**	1	65,200	
Boiler side 1,90 mwh 5,50 - 5,60 m3/h 11 pl.					
130,000 kcal/h: Pool side 1,18 mwh -	**101235T**	**2.241,00**	1	85,600	
Boiler side 1,71 mwh 6,50 - 6,60 m3/h 13 pl.					
150,000 kcal/h: Pool side 1,55 mwh -	**101236T**	**2.339,00**	1	87,200	
Boiler side 1,60 mwh 7,50 - 7,70 m3/h 14 pl.					
180,000 kcal/h: Pool side 1,65 mwh -	**101237T**	**2.531,00**	1	87,200	
Boiler side 1,70 mwh 9,00 - 9,20 m3/h 16 pl.					
225,000 kcal/h: Pool side 1,58 mwh -	**101238T**	**2.921,00**	1	88,800	
Boiler side 1,63 mwh 11,00 - 11,00 m3/h 20 pl.					
300,000 kcal/h: Pool side 1,63 mwh -	**101239T**	**3.408,00**	1		
Boiler side 1,97 mwh 15,00 - 15,40 m3/h 25 pl.					
400,000 kcal/h: Pool side 1,71 mwh -	**101240T**	**4.185,00**	1		
Boiler side 1,97 mwh 20,00 - 20,50 m3/h 33 pl.					
500,000 kcal/h: Pool side 1,81 mwh -	**101241T**	**4.965,00**	1		
Boiler side 1,87 mwh 25,00 - 26,00 m3/h 41 pl.					
700.000 kcal/h: Pool side 1,14 mwh -	**101242T**	**6.210,00**	1		
Boiler side 1,88 mwh 27,00 - 36,00 m3/h 62 pl.					

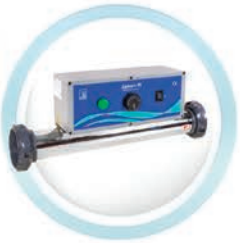
Option (101260): Complete with solenoid valve, thermostat and thermostat cap for automation-650 Euro.



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Electrical Heaters - Power Unit

Gemas Spiron-M Electrical Heater.
AISI 316 quality stainless steel body and resistance. Complete with mechanical thermostat, flow switch, temperature control and Contactor-Thermal Fuses. Triphase.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
9 kW Spiron-M Electrical Heater	**10113M**	**926,00**	1	3,750	0,031
12 kW Spiron-M Electrical Heater	**10114M**	**937,00**	1	4,140	0,031
15 kW Spiron-M Electrical Heater	**10115M**	**939,00**	1	5,100	0,031
18 kW Spiron-M Electrical Heater	**10116M**	**925,00**	1	5,540	0,031
21 kW Spiron-M Electrical Heater	**10117M**	**970,00**	1		
24 kW Spiron-M Electrical Heater	**10118M**	**987,00**	1		

"Please ask for price for intermediate capacities up to 48 W."



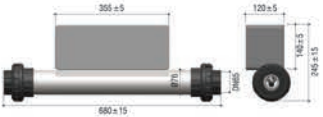
Gemas Spiron-D Electrical Heater.
AISI 316 quality stainless steel body and resistance. Complete with digital thermostat, Flow switch, temperature control and Contactor-Thermal Fuses. Triphase.

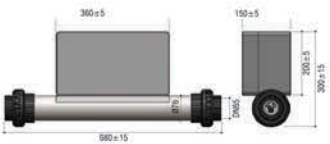


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
9 kW Spiron-D Electrical Heater	**10113D**	**1.010,00**	1	3,750	0,031
12 kW Spiron-D Electrical Heater	**10114D**	**1.005,00**	1	4,140	0,031
15 kW Spiron-D Electrical Heater	**10115D**	**1.005,00**	1	5,100	0,031
18 kW Spiron-D Electrical Heater	**10116D**	**1.014,00**	1	5,540	0,031
21 kW Spiron-D Electrical Heater	**10117D**	**1.050,00**	1		
24 kW Spiron-D Electrical Heater	**10118D**	**1.065,00**	1		

"Please ask for price for intermediate capacities up to 48 W."









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Electrical Exchangers



GEMAS Electric Heaters. AISI 304 quality Stainless Steel. Complete with thermostat and **"Flow Switch"**. Triphase.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
6 kW Gemas Electric Heaters	**10111**	**594,00**	1	4,140	0,031
9 kW Gemas Electric Heaters	**10112**	**643,00**	1	4,140	0,031
12 kW Gemas Electric Heaters	**10113**	**707,00**	1	5,540	0,031
18 kW Gemas Electric Heaters	**10114**	**731,00**	1	5,540	0,031

Pool Thermometers



Pool Thermometers, floating.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Thermometer - Floating Type (Duck)	**10414**	**9,45**	24		
Thermometer - Floating Type (Fish)	**10412**	**9,45**	24		
Thermometer - Floating Type (Turtle)	**10415**	**9,45**	24		



Pool Thermometer, to be connected to the ladder.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Thermometer - Floating Type	**10411**	**5,40**	1	0,090	
To be connected to the ladder	**10421**	**5,80**	1	0,068	



Pool Thermometer, floating and circular scaled, Ø 190 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	10431	**32,00**	1	0,298	0,010



Digital Pool Thermometer with Solar Battery, Ø 80 mm.

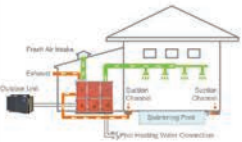
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	10432	**36,54**	1	0,140	0,001

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Indoor Pool Air Handling Unit
Heating Dehumidification+Ventilation

Gemas air handling unit. Provides energy recovery humidity control for indoor pool spaces. It airs the space - it heats, it provides heating support to the pool water. It does all these operations automatically. Air duct system should be installed in the indoor pool area. **Please ask for an offer.**





Model: Indoor Unit / Outdoor Unit	MADCRA060N-15 / MAA060W	MADCRA120N-30 / MAA120W	MADCRA200N-50 / MAA100Wx2
Air Flow (m³/h)	4000-4500	7000	10000-11000
Static Pressure (Pa)	250-300	400-450	600-800
Exhaust Air Flow (m³/h)	1000	2000	3300
Dehumidification (kg/h)	15	30	50
Air Cooling Capacity (kW)	17	33	51
Air Heating Capacity (kW)	19	36	60
Pool Water Heating Capacity (kW)	30	55	90
Surface Air Cooler Cooling Capacity (kW)	32	53	91
Surface Air Cooler Heating Capacity (kW)	40	62	102
Water Flow (m³/h)	6	8	14
Pool Water Pipe Size	1.5"-Female Threaded	2"-1.5"-Female Threaded	2.5"-1.5"-Female Threaded
Condensation Discharge - Pipe Size	1"-Male Threaded	1"-Male Threaded	1"-Male Threaded
Cooler	R410A	R410A	R410A
Expansion Control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Compressor Quantity	1	1	2
Compressor Power Input (kW)	5.6	10.6	8.6x2
Power source	380V/3ph/50Hz	380V/3ph/50Hz	380V/3ph/50Hz
Operating Power (kW)	7.1	12.8	24
Dehumidifying Heat Exchanger Type	Female Threaded Pipe + Hydrophilic Aluminum Foil		
Heat Exchanger Type	Female Threaded Pipe + Hydrophilic Aluminum Foil		
Surface Air Cooler for Heat Recovery	Straight Pipe + Hydrophilic Aluminum Foil		
Water Side Heat Exchanger Type	Titanium Heat Exchanger		

Fan System				
OUTDOOR UNIT	Fans Amount	1	2	4
	Power Source	220V/1ph/50Hz	220V/1ph/50Hz	220V/1ph/50Hz
	Power Supply Input	Indoor Unit Output Terminal		
	Fan Motor Power Input (kW)	0.5	0.5x2	0.5x4
	Connection Pipe (mm)	Ø19 Ø12.7	Ø22 Ø16	2xØ22 2xØ16
INDOOR UNIT	Fans Amount	2	2	3
	Fan Motor Type	Low Noise-Pre-Twisted-Double Air Inlet Centrifugal Fan		
	Air Supply Fan Motor (kW)	8	2.2	1.5x2
	Air Exhaust Fan Motor (kW)	0.18	0.32	0.55
	Air Valve Amount	3	3	3
	Air Duct Filter Amount	2	2	2

Dimensions and Weight				
OUTDOOR UNIT	L/W/H (kg)	810x780x830	1450x780x910	1450x780x910
	Weight (mm)	70	100	100x2
INDOOR UNIT	L/W/H (kg)	1900x1000x1680	2000x1200x1980	2500x1600x2280
	Weight (mm)	400	650	1000

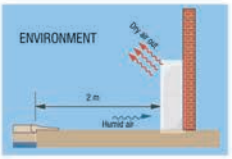
NOTE:
1. Dehumidification capacity test conditions: Indoor DB-Dry Thermometer 27°C, WB-Wet Thermometer 21.2°C, unit operated for 1 hour.
2. Air cooling capacity test conditions; outdoor return temperature 35°C, indoor return temperature 27°C.
3. Air Heating Capacity test conditions: outdoor air return temperature 7°C, indoor air return temperature 21°C.
4. Pool heating capacity test conditions: outdoor air return temperature 24°C, unit water inlet 25°C, water outlet 28°C.
5. Dimensions after venting added: 2075/1200/2155
6. Working environment temperature range 0°C ~ 43°C

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Dehumidifiers

GEMAS Dehumidifier. Provides energy-saving humid control for indoor swimming pool. Allows adjusting desired humidity rate with digital hygrometer.

- Quite operation,
- HP Buster Technology,
- R410A Eco-Friendly Gas,
- Installation on basement or wall,
- Plastic Case,
- Optional Electrical Heater.





10231

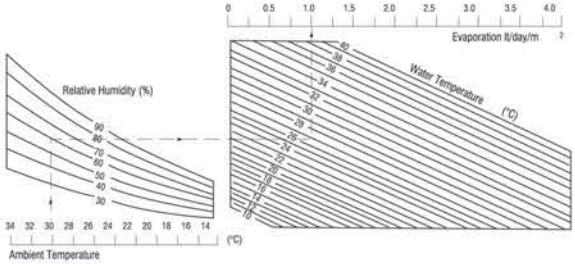


10234

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model MDH75A / 75 l/day	**10231**	**3.745,00**	1	57,000	0,244
Model MDH90A / 90 l/day	**10236**	**4.977,00**	1	64,000	0,336
Model MDH125A / 125 l/day	**10234**	**5.095,00**	1	66,000	0,336
Model MDH170A / 170 l/day	**10235**	**5.997,00**	1	79,000	0,427

Note: Test Conditions - 30°C ambient temperature, %80 relative humidity.

Determination Chart for Daily Evaporation in Indoor Pool Areas



Model	MDH75A	MDH90A	MDH125A	MDH170A
Capacity (kg/24sa) 30°C/70% humidity*	75	90	125	170
Heat Retention (kW) 30°C/70% humidity*	3.2	4	5	8.2
Noise Level (dB(A))	48	50	50	52
Air Flow (m^3/h)	600	1200	1200	1800
Input Energy	220V/1ph/50Hz	220V/1ph/50Hz	220V/1ph/50Hz	220V/1ph/50Hz
Operation Power (kW)	1.30	1.60	2.00	2.92
Current (A)	5.9	7.3	9.1	13.3
Start Current (A)	25	34	42	63
Water Inlet (inch)	3/4	3/4	3/4	3/4
Water Outlet (inch)	3/4	3/4	3/4	3/4
Drainage (mm Dıfl Çap)	16	16	16	16
Operation Temperature (°C)	5~35	5~35	5~35	5~35
Compressor Protection	3 minutes delay	3 minutes delay	3 minutes delay	3 minutes delay
Defrost Mode	Automatic	Automatic	Automatic	Automatic
Cooler	R410A	R410A	R410A	R410A
Compressor	Rotary	Rotary	Rotary	Rotary
Net / Gross Weight (kg)	52/57	57/64	59/66	70/79
Net Dimensions (mm)	905x243x673	1288x243x673	1288x243x673	1672x243x673
Package Dimensions (mm)	1015x315x765	1395x315x765	1395x315x765	1775x315x765

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Heat Requirement Chart For Miscellaneous Pools

Pool Dimensions (m)	Pool Volume (m^3)	Heat Requirement (kcal/h) (÷ 0,86 = Watt)																		
		Wind Sheltered Pools						Open Pools						Indoor Pools						
		Δt= 5°C			Δt= 10°C			Δt= 5°C			Δt= 10°C			Δt= 17°C			Δt= 25°C		
		24 h	48 h	72 h	24 h	48 h	72 h	24 h	48 h	72 h	24 h	48 h	72 h	24 h	48 h	72 h	24 h	48 h	72 h
4,00 x 8,00 x 1,50	48	22385	20215	18277	37660	26030	22153	30642	25641	23974	40644	30642	27308	37308	20305	14638	53311	28307	23223
5,00 x 10,00 x 1,50	75	34977	27164	24560	50606	34978	29769	47878	40064	37459	63506	47878	42669	58295	31727	22872	83299	44230	31206
6,00 x 12,00 x 1,50	108	50368	39116	35365	72872	50368	42867	68944	57692	53942	91448	68944	61443	83944	45687	32935	119951	63691	44937
8,00 x 16,00 x 1,50	192	89543	69539	62872	129551	89543	76208	122567	102564	95896	189040	142520	109232	149234	81222	58551	213246	113228	79888
12,50 x 25,00 x 1,50	469	218663	169800	153513	367895	218664	186088	299288	250425	234137	461645	348010	266713	364518	198384	143006	520880	276565	195127
12,50 x 25,00 x 1,80	563	277035	179594	160041	355563	238250	199146	318875	260209	240667	436188	318875	279771	431113	231682	165205	719551	325532	227771
16,00 x 35,00 x 1,50	840	391751	304236	275064	566783	391752	333408	536231	448716	419544	711263	536232	477888	652899	355346	256161	932950	495371	349511
20,00 x 40,00 x 1,50	1200	559645	434622	392948	809690	559645	476297	766045	641023	599348	1016090	766045	682697	932713	507637	365944	1332785	707673	499302
25,00 x 50,00 x 1,50	1875	874445	679098	613982	1265141	874445	744214	1196946	1001598	936482	1587641	1196945	1066714	1457364	793182	571788	2082477	1105738	780159
25,00 x 50,00 x 2,00	2500	1004678	744214	657393	1525604	1004677	831035	1327177	1066714	979892	1848104	1327177	1153535	1900152	1014576	719384	2733635	1431317	997212

Instructions:

1- Above values are calculated with assumption of 24 hr of boiler operation. These values needs to be increased (x 24/work hours) in cases where boiler works less.
2- Exchanger capacities on the price list are for 90/70 °C boiler water temperature. Selected exchanger capacities needs to be increased for lower boiler water temperatures.
3- Values on the chart are approximate and can vary according to pool's construction and coating
4- Δt= Preferred temprature increase for pools.
5- Above time values for preffered temperature increase. Installation capacity needs to be increased for decreasing operation time values.
6- Using the **"solar air-bubble cover"** during the heating process, provides energy saving. (>%50)
7- Same type of cover decreases humidity by %50 at indoor pools.

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POOL EQUIPMENT

11	Water Attractions	241
12	Winter Pool Covers	259

Water Cascade - Acrylic - RGB LED

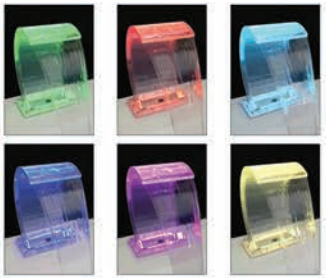


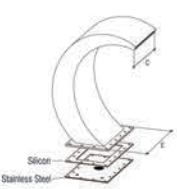


Acrylic Water Curtain.
Made of transparent acrylic. Complete with stainless steel bottom mounting plate, gasket, screws and nuts. Different light animations are created with RGB LED. Transformer remote control unit is not included in the price. Color change can be achieved with on-off.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
WF300LED - 1,5"	11194	1.404,00	1		
WF301LED - 2,0"	11195	1.740,00	1		
Four-terminal control unit for RGB LEDs Panel type	05092A4P	170,00	1		

PS: It must be used with a dedicated 1 HP Streamer pump.







TECHNICAL CHARACTERISTICS

MODEL	Ø	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Power (W)	Voltage (VDC)
WF-300 LED	1.5"	603	423.5	320	236	416	12.0	12
WF-301 LED	2.0"	750	540.6	395	280	500	13.0	12

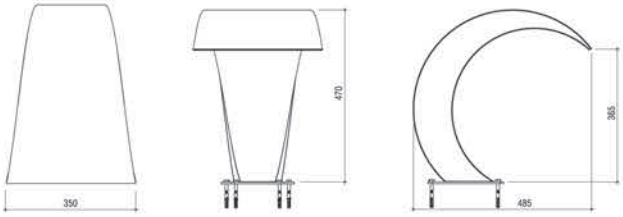
Water Cascade



Mini Cobra Water Cascade.
Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded. Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	11190	538,00	1		

PS: It must be used with a dedicated 1 HP Streamer pump.



Top view | Front view | Side view

Water Cascade

Midi Cobra Water Cascade.
Made of AISI 304 quality stainless steel. Connection 2" female threaded.
Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Midi 1 - h=575 x 500 mm	**11191**	**1.110,00**	1		
Midi 2 - h=900 x 600 mm	**11193**	**1.232,00**	1		

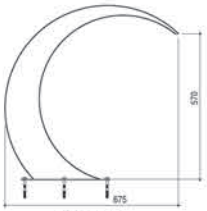
PS: It must be used with a dedicated 2 HP Streamer pump.



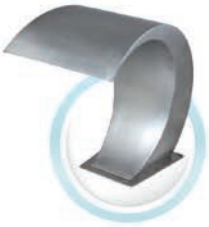
Top view



Front view

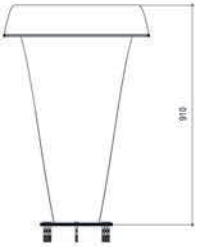


Side view

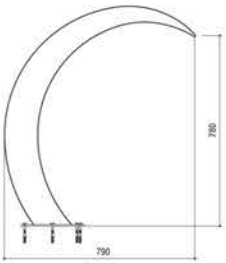

11191



Top view



Front view



Side view


11193

Niagara Water Cascade.
Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	11192	**1.628,00**	1		

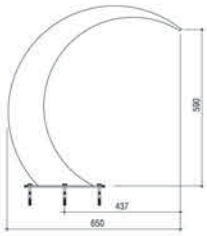
PS: It must be used with a dedicated 2 HP Streamer pump.



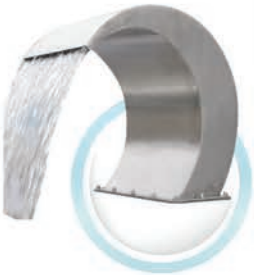
Top view



Front view



Side view



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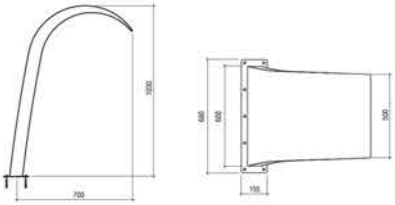
Water Cascade



Arcade - Lux Water Cascade.
Made of AISI 304 quality stainless steel. 2" female thereaded connection. Complete with bolt and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
500 mm cascade	**11150**	**1.765,00**	1		
600 mm cascade	**11151**	**1.811,00**	1		

PS: It must be used with a dedicated 3 HP Streamer pump.

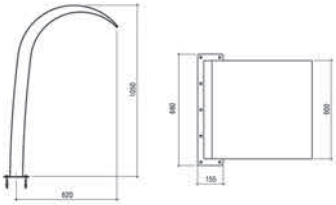




Arcade - Water Cascade.
Made of AISI 304 quality stainless steel. 2" female thereaded connection. Complete with bolt and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
400 mm cascade	**11160**	**1.581,00**	1	30,300	
600 mm cascade	**11161**	**2.013,00**	1		

PS: It must be used with a dedicated 3 HP Streamer pump.

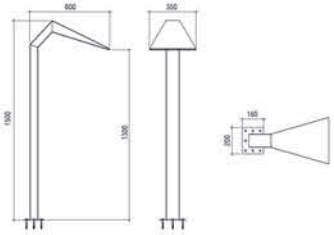




Delta - Water Cascade.
Made of AISI 304 quality stainless steel. 2" female thereaded connection. Complete with bolt and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
350 mm cascade	**11170**	**1.006,00**	1	12,400	

PS: It must be used with a dedicated 3 HP Streamer pump.



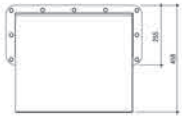
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Water Cascade

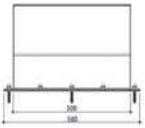
Floor Waterfall.
Made of AISI 304 quality stainless steel. Connection 2" female threaded.
Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	11200	1.081,00	1		

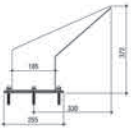
PS: It must be used with a dedicated 3 HP Streamer pump.



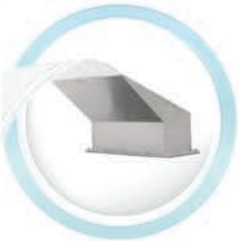
Top view



Front view



Side view

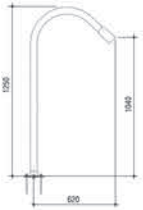


Water Jet.

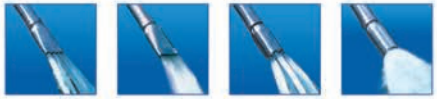
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 body made of AISI 304 quality stainless steel. Exchangeable jet mouth.	11140	1.132,00	1		
Jet No 1	11141	318,00	1		
Jet No 2	11142	318,00	1		
Jet No 3	11143	318,00	1		
Jet No 4	11144	318,00	1		

PS: It must be used with a dedicated 3 HP Streamer pump.

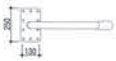




Side view



Jet No 1 Jet No 2 Jet No 3 Jet No 4



Top view



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Water Cascade - Wall Type



Wall Waterfall.
Made of AISI 304 quality stainless steel. Connection 2 x 1 1/2" female threaded.
Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
L= 1 m.	11110	930,00	1		
L= 1,5 m.	11111	1.389,00			

PS: It must be used with a dedicated 1 - 1 1/2 HP Streamer pump.

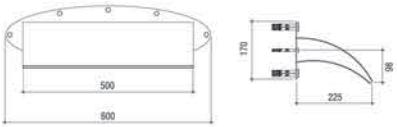




Tortum Water Cascade.
Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded.
Complete with bolts and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
L= 0,3 m.	11112	316,00	1		
L= 0,5 m.	11113	345,00	1		

PS: It must be used with a dedicated 3/4 - 1 HP Streamer pump.

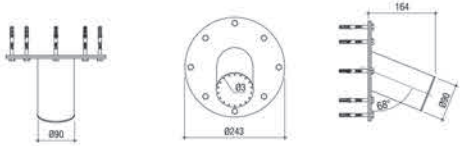




Wall Shower.
Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded.
Complete with bolts and plugs. Recommended to be used with 05080 pneumatic button.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	11121	273,00	1		

PS: It must be used with a dedicated 3/4 HP Streamer pump.



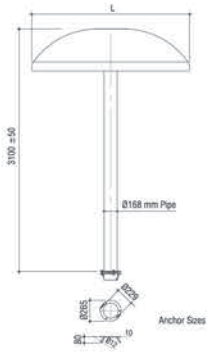
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Water Cascade - Mushroom Type

Mushroom Cascade.
FRP mushroom with AISI 304 quality stainless steel pivot, flanged at both ends.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Mushroom Cascade L=Ø 2000 mm:	**11133**	**2.717,00**	1		
Requires 150 m^3/h					
Mushroom Cascade L=Ø 1600 mm:	**11132**	**1.510,00**	1	53,000	1,190
Requires 80 m^3/h					
Mushroom Cascade L=Ø 1000 mm:	**11131**	**1.207,00**	1		
Requires 40 m^3/h					



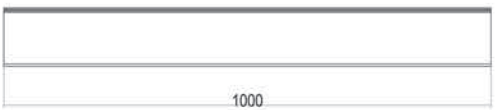
Water Cascade - Wall Type - Stainless Steel

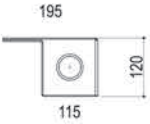
"Pool Waterfall".
Made of AISI 304 quality stainless steel. Connection 2 x 1 1/2" female threaded.

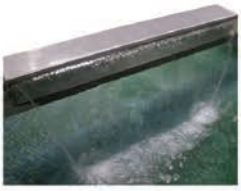


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model HS01 - 0,30 m width	**11180**	**288,00**	1		
Model HS02 - 0,50 m width	**11181**	**403,00**	1		
Model HS03 - 1,00 m width	**11182**	**690,00**	1		
Model HS04 - 1,50 m width	**11183**	**1006,00**	1		

PS: Suggested pumps are Streamer Mini 1/3 HP, 1/2 HP, 3/4 HP ve 1 HP respectively.

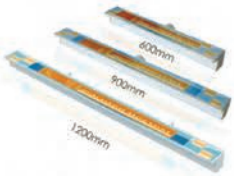






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Water Cascade - Wall Type - LED



"LED RGB COLORED POOL WATERFALL".
Two models for different water effects. It has a remote control. Revitalizes your pool. It is one of the most beautiful aesthetic properties for pools and SPAs. While creating a water movement in your pool, relaxing water adds elegance and style to your pool and massages your back. It provides vivid colors with its RGB LED unit that can be activated when desired. With a choice between 2 different water cascading models
- Rainfall or Waterfall Arc, offering visual interest, relaxing sound and a unique waterfall view.

Features:
- Two different widths: 25 mm and 150 mm. Suitable for different wall sizes.
- Three different lengths: 600 mm, 900 mm and 1200 mm
- LED strip lighting is powered by external 12V DC, which is safe and reliable.
- LEDs can be operated with a panel or remote control and there are 10 different lighting patterns.

LED Pool Waterfall Control Box
The LED strip is placed in the unit (instead of using fiber optics) the light falls as close as possible to the water. This design provides water illumination falling into a wonderful pool. A selection of 10 pre-programmed LED lighting patterns provide the best lighting options.

There are 2 different models for different water effects:
- PB Series: Standard orbital waterfall effect
- RS Series: Rain effect with transparent orbit

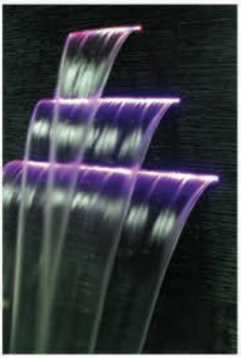
LED Strip Power	Remote Control	Width	Length
12V DC	**10 Lighting Patterns**	**25/150 mm**	**600/900/1200 mm**



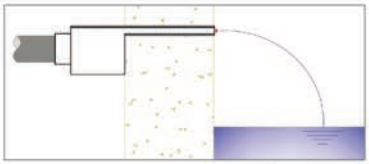
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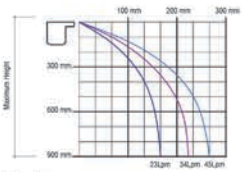
Water Cascade - Wall Type - LED

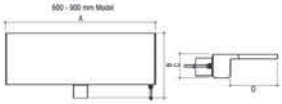
PB Series Pool Waterfall.
Provides excellent water light effect by creating standard continuous waterfall flow.

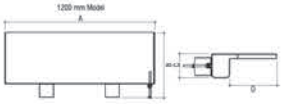


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PB600-150L	11PB600	**550,00**	1		
PB900-150L	11PB900	**752,00**	1		
PB1200-150L	11PB1200	**915,00**	1		





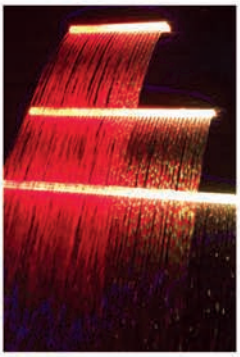




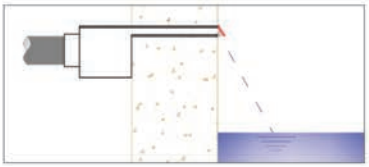
TECHNICAL CHARACTERISTICS

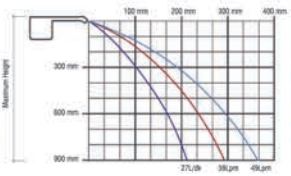
MODEL	A (mm)	B (mm)	C (mm)	D (mm)	Voltage (VDC)	Power (W)
PB600-150L	606	263	76	150	12	8.0
PB900-150L	906	263	76	150	12	12.0
PB1200-150L	1206	263	76	150	12	17.0

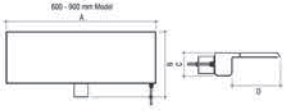
RS Series Pool Waterfall.
Creates a rain-like waterfall flow, providing a perfect water and light effect in your pool.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
RS600-150L	11RS600	**550,00**	1		
RS900-150L	11RS900	**752,00**	1		







TECHNICAL CHARACTERISTICS

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	Voltage (VDC)	Power (W)
RS600-150L	606	284	78	171	12	8.0
RS900-150L	906	284	78	171	12	12.0

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Inpool Hydro Massage Systems

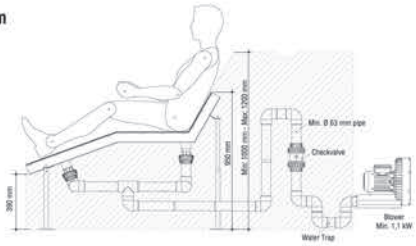


Air Bed.
Made of AISI 304 quality stainless steel. Complete with adjustable legs and PVC piping. Ø 63 mm air connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Double	**11330**	**1.895,00**	1		
Single	**11331**	**1.294,00**	1		

PS: This product must be used with 2,2 - 1,1 kw blower.

Assembly Diagram

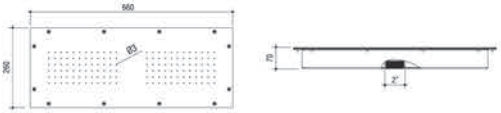




Rectangular Floor Air Jet.
Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with bolt and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
660 x 260 mm	**11340**	**903,00**	1		

PS: This product must be used with 2,2 kw blower.

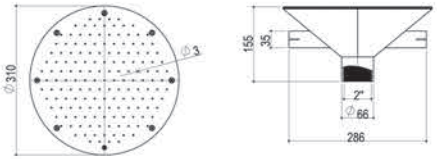




Circular Floor Air Jet.
Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with bolt and plugs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 310 mm dia	**11350**	**1.129,00**	1		

PS: This product must be used with 1,1 kw blower.



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Counter Current and Massage Systems

STP-SP Counter Current System. Complete with jet pump, pneumatic switch, LED light, valves and fittings. Two seperate air buttons for pump and LED. Completely made of ABS plastic. The suction line is 75 mm and the discharge line is 63 mm. Thanks to the suction check valve, the air suction line can be installed below the water level. Hand massage is possible with optional massage hose. Complete with a stainless steel handle. For Concrete and Liner Pools.



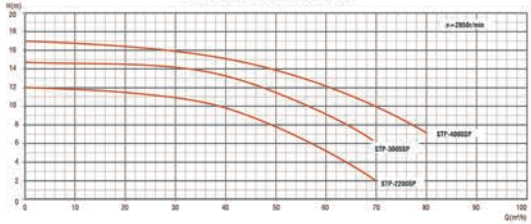
For Concrete and Liner Pools:

Description	Code	List Price Euro	Pieces/ box	Weight Kg
STP-SPM Monophase-with 3,0 HP BTP 0,396	**112270M**	**2.648,00**	1	
STP-SPT Triphase-with 3,0 HP BTP	**112271T**	**2.634,00**	1	
STP-SPT Triphase-with 4,0 HP BTP	**112272T**	**2.607,00**	1	
STP-SPT Triphase-with 5,5 HP BTP	**112273T**	**2.738,00**	1	
STP-SP Counter Current System, Niche, front frame set	**1122213**	**1.824,00**	1	
Massage Hose Set	**1122211**	**236,00**	1	

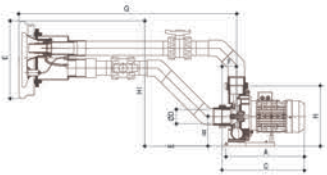


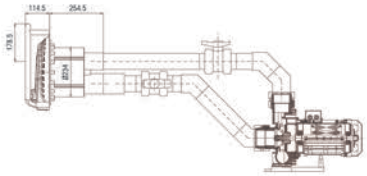


PERFORMANCE CURVES



PUMP TYPE	DIMENSIONS								Weight (Kg)
	A	B	C	D	E	F	G	H	H1	
STP-2200	370	156	440	Ø75	395	77	1110	340	635	22
STP-3000	410	156	470	Ø75	395	77	1110	340	635	24
STP-4000	440	156	500	Ø75	395	77	1110	340	635	26



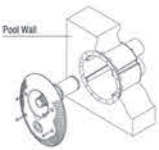




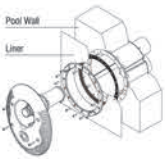


MOUNTING TYPE:

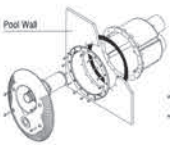
Concrete Swimming Pool



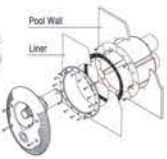
Liner Swimming Pool



Prefabricated Swimming Pool



Liner Panel Swimming Pool



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Counter Current and Massage Systems - S.Steel



STP-SS Counter Current System.
Complete with jet pump, pneumatic switch, LED light, valves and fittings. Two seperate air buttons for pump and LED.
Completely made of stainless steel 304 quality. The suction line is 75 mm and the discharge line is 63 mm. Thanks to the suction check valve, the air suction line can be installed below the water level.
Hand massage is possible with optional massage hose. For Concrete and Liner Pools.

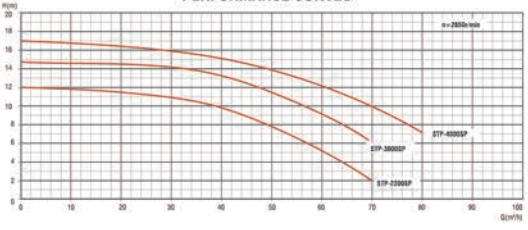
For Concrete and Liner Pools:

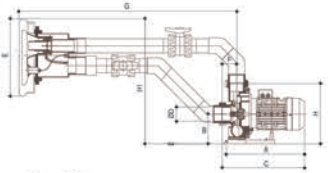
Description	Code	List Price Euro	Pieces/ box	Weight Kg
STP-SSM Monophase-with 3,0 HP BTP	**112270MSS**	**2.960,00**	1	
STP-SST Triphase-with 3,0 HP BTP	**112271TSS**	**2.976,00**	1	
STP-SST Triphase-with 4,0 HP BTP	**112272TSS**	**3.084,00**	1	
STP-SST Triphase-with 5,5 HP BTP	**112273TSS**	**3.210,00**	1	
STP-SS Counter Current System, Niche, front frame set	**1122213SS**	**2.149,00**	1	
Massage Hose Set	**1122211**	**236,00**	1	



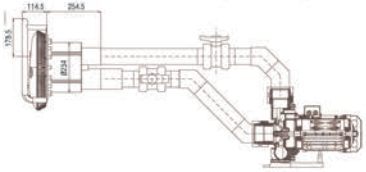


PERFORMANCE CURVES





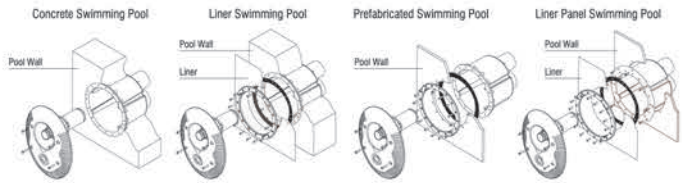
PUMP TYPE	DIMENSIONS									Weight (Kg)
	A	B	C	D	E	F	G	H	H1	
STP-2200	370	156	440	Ø75	395	77	1110	340	635	22
STP-3000	410	156	470	Ø75	395	77	1110	340	635	24
STP-4000	440	156	500	Ø75	395	77	1110	340	635	26







MOUNTING TYPE:



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Counter Current and Massage Systems

GEMAS "ELIPTICAL MODEL" Counter Current System.
Complete with jet pump, pneumatic switch, valves and connection parts. Easy to direct nozzle inside pool. Completely made of ABS plastic. Suction line Ø 75 mm, return line Ø 63 mm. Air suction line can be established below water level by the help of suction check valve. Possible hand massage with optional massage hose. Optional stainless steel handle. Can be used both for liner and concrete pools.



For Concrete Pools:

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3,0 HP Monophase-with Pumpex pump	112221	1.793,00	1		
3,5 HP Monophase-with Fooderjet pump	112222	2.054,00	1		
3,0 HP Triphase-with Pumpex pump	112223	1.800,00	1		
3,5 HP Triphase-with Fooderjet pump	112224	2.066,00	1		
4,5 HP Triphase-with Fooderjet pump	112225	2.156,00	1		
5,5 HP Triphase-with Fooderjet pump	112226	2.255,00	1		



For Liner Pools:

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3,0 HP Monophase-with Pumpex pump	112251	1.801,00	1		
3,5 HP Monophase-with Fooderjet pump	112252	2.058,00	1		
3,0 HP Triphase-with Pumpex pump	112253	1.811,00	1		
3,5 HP Triphase-with Fooderjet pump	112254	2.085,00	1		
4,5 HP Triphase-with Fooderjet pump	112255	2.155,00	1		
5,5 HP Triphase-with Fooderjet pump	112256	2.268,00	1		



GEMAS "ELIPTICAL MODEL" Counter Current System.
Niche made of ABS and front frame set.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Concrete Pools	11223	907,00	1		
For Liner Pools	11224	908,00	1		



GEMAS "ELIPTICAL MODEL" Counter Current System, Massage Hose Set.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1122211	250,00	1		



AISI 304 Quality Stainless Steel Handles for GEMAS Counter Current System.
Complete with screws and pegs, with flange. Pipe is Ø 42 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Price for 2	1122212	227,00	1		



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Counter Current and Massage Systems



GEMAS "SQUARE MODEL" Counter Current System.
Complete with jet pump, pneumatic switch, valves and connection parts. Easy to direct nozzle inside pool. Completely made of ABS plastic. Suction line Ø 75 mm, return line Ø 63 mm. Air suction line can be established below water level by the help of suction check valve. Possible hand massage with optional massage hose. Optional stainless steel handle. Can be used both for liner and concrete pools.

For Concrete Pools:

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3,0 HP Monophase-with Pumpex pump	112221K	1.793,00	1		
3,5 HP Monophase-with Fooderjet pump	112222K	2.054,00	1		
3,0 HP Triphase-with Pumpex pump	112223K	1.800,00	1		
3,5 HP Triphase-with Fooderjet pump	112224K	2.066,00	1		
4,5 HP Triphase-with Fooderjet pump	112225K	2.156,00	1		
5,5 HP Triphase-with Fooderjet pump	112226K	2.255,00	1		



For Liner Pools:

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3,0 HP Monophase-with Pumpex pump	112251K	1.801,00	1		
3,5 HP Monophase-with Fooderjet pump	112252K	2.058,00	1		
3,0 HP Triphase-with Pumpex pump	112253K	1.811,00	1		
3,5 HP Triphase-with Fooderjet pump	112254K	2.085,00	1		
4,5 HP Triphase-with Fooderjet pump	112255K	2.155,00	1		
5,5 HP Triphase-with Fooderjet pump	112256K	2.268,00	1		



GEMAS "SQUARE MODEL" Counter Current System.
Niche made of ABS and front frame set.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For Concrete Pools	11223K	907,00	1		
For Liner Pools	11224K	908,00	1		



GEMAS "SQUARE MODEL" Counter Current System, Massage Hose Set.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1122211	250,00	1		

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In-Pool Massage Units - Wall and Floor

Massage Unit. Can be installed as single or multiple massage stations.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 1 - Ø40 mm	11501	200,00	1		
Model 2 - Ø28 mm	11502	200,00			



Massage Unit. Used for massage from the floor.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 3 - 5 x Ø19 mm	11210	386,00	1		



Inpool Hydro Massage Systems

In-Pool Hydro Massage Bed.
Made of Acrylic + Polyester. Water and air connections are ready to install.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Type 1	11310	792,00	1	15,000	
Type 2	11311	792,00	1		





In-Pool Hydro Massage Chair.
Made of Acrylic + Polyester. Water and air connections are ready to install.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	11320	703,00	1		



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Decorative Wall Nozzles

GEMAS Wall Nozzles. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.



Small Lionhead, Antique Copper



Large Lionhead, Antique Copper



Plain Bowl Waterfall



Plain Bowl Waterfall, Antique Copper



Slotted Bowl Waterfall, Antique Copper



Snail Antique Copper



Antique Badge

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Small Lionhead, Antique Copper	1122411	247,00	1		
Large Lionhead, Antique Copper	1122421	294,00	1		
Plain Bowl Waterfall, Antique Copper	1122431	325,00	1		
Slotted Bowl Waterfall, Antique Copper	1122241	325,00	1		
Snail, Antique Copper	1122251	202,00	1		
Antique Badge, Antique Copper	1122261	155,00	1		







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Poolside Flowerpots

GEMAS Poolside Flowerpots. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Flowerpot with Angle Figure, Antique Copper	1122511	340,00	1		
Cube Flowerpot, Antique Copper	1122521	386,00	1		













Laminar Flow Illuminated Jet

American Poolside Light Jet System. The jet is installed in and around the pool terrace. Requires electricity + 12 V transformer and water supply installation + cartridge filter facility. Please call for details.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Laminar Jet	112261	PAP	1		







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Fiberoptic Star Effect

GEMAS Fiberoptic Star Effect.
Before coating the pool, fiberoptic fibers are inserted on pool floor, extended into engine room and all fibers connected to RGB light source. In this way, RGB or single colored star effect is created on the pool floor.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1122711	Please ask for price			









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Poyrazlux - Winter Cover

Pool Cover. Made of PVC. Peripheral reinforcement of 5 cm. Laterals at each 1 m of the periphery are used to stretch the cover over pool surface by means of stainless steel springs attached to special bronze retractable anchors. Drain holes are available at the center to discharge the rain water. Complete with springs and retractable anchors.



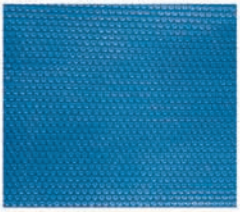


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rectangular shape, price per square meter	12110	134,00			
Irregular shape, price per square meter	12111	157,00			
Free form cover, price per square meter	12112	171,00			
Special cut for pool ladder or other special forms, price per cut	12117	188,00			

PS. Pool dimensions should be increased by 1,20 m for overflow pools; whereas by 0,6 m for skimmer pools.

Solar Cover - Heat Saving

Solar Pool Cover. Provides a limited amount of solar heating and saves energy by minimizing the surface heat loss. Decreases the humidity %50 at indoor pools. Recommended to be used with cover reel.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Solar Cover, in role per m^2 Width: 2 m. (Welded price is double).	1211101	16,00			

PS. Please ask for prices of Solar Covers in special shape.

Cover Accessories

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Retractable anchor	121101	18,00	1	0,062	
Dynamometric Spring. AISI 304 quality stainless steel	121102	28,00	1	0,144	
Manuel Vacuum Pump. Used for discharge of rain water on the cover.	12114	68,00	1		





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Motorized Pool Cover



COVERTEC Pool Cover.
Blue PVC 650 gr/m2. Reinforced with aluminium bars placed with 1,2 m - 1,4 m intervals. With the help of portable rechargeable-reductor 24 V motor, the pool cover is opened or collected easily and quickly. Safe for children and pets. For windy enviroments, fixation is provided by side reinforcements. For irregular-shaped swimming pools, the cover needs to be rectangular form. There should be 25 cm margin for short edges and 50 cm margin for long edge.



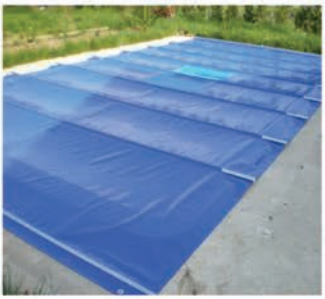
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 x 6 m Pool	12210	3.276,00	1		
4 x 8 m Pool	12211	5.622,00	1		
5 x 10 m Pool	12212	8.735,00	1		
6 x 12 m Pool	12213	12.558,0	1		

All Pool Covers Have Below Specifications

- Strong resistance to UV lights from the Sun. Preserves its aero-elastic structure under bad weather conditions.
- Can be easily clean due to dirt-proof LAQUER coating.
- Anti Fungal
- Anti Bacterial
- Not affected negatively by pool chemicals









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Motorized Pool Cover



Automatic PVC Slatted Pool Cover. Made of PVC profiles, 24 V Above-groun motor. It weights a person walking above and does not sink. With the help of safety straps, the cover can be fixed manually to pool deck. It's suitable for new and existing pools. For remote control option please ask for price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 x 6 m Pool - White	12220	PAP			
4 x 8 m Pool - White	12221	PAP			
5 x 10 m Pool - White	12222	PAP			
6 x 12 m Pool - White	12223	PAP			
3 x 6 m Pool - Solar Blue	12224	PAP			
4 x 8 m Pool - Solar Blue	12225	PAP			
5 x 10 m Pool - Solar Blue	12226	PAP			
6 x 12 m Pool - Solar Blue	12227	PAP			

PS. This is a no-stock item. Produced according to order. **P.A.P.** (Please Ask Price)







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Cover Reels



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Cover Reel.	**12113**	**265,00**	1	6,100	0,047
Made of ABS plastic,					
complete with cover tie set.					
Ditto, Made of stainless steel,	**12115**	**486,00**	1		
complete with cover tie set.					
3 x 2 m Aluminium	**121131**	**247,00**	1	6,394	0,039
Telescopic Cover Bar.					

PS. Please ask quotation for "telescopic cover bar"





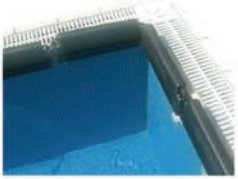
12113 12115 121131

Pool Ice Barrier



Pool Ice Barrier. Made of Plastic. 49 x 24 cm size floating barrier is arrayed all around the pool perimeter. Protects the pool coating by absorbing the expansion of freezing at very low atmospheric temperature.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ice Barrier	**1297105**	**16,00**	1		



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POOL EQUIPMENT

13	Valves, Unions and Fittings	263
14	Olympic Pool Accessories	281

Ball Valves



Ball Valves in PVC. Slip connection and adjustable ball pressure. HDPE seats and EPDM O-rings. PN 16.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.20 mm - Slip connection	131111	7,20	88	23,050	0,094
d.25 mm - Slip connection	131112	7,70	78	27,160	0,094
d.32 mm - Slip connection	131113	9,00	20	7,900	0,017
d.40 mm - Slip connection	131114	9,80	12	7,800	0,017
1/2" - Threaded	131111T	9,80	88	23,050	0,094
3/4" - Threaded	131112T	10,30	78	27,160	0,094
1" - Threaded	131113T	12,40	20	7,900	0,017
1 1/4" - Threaded	131114T	13,10	12	7,800	0,017



Ball Valves in PVC. Slip connection; adjustable ball pressure as well as patented union-screwing by means of handle. HDPE seats and EPDM O-rings. PN 16.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.50 mm - Slip connection	131115L	11,40	6	4,620	0,013
d.63 mm - Slip connection	131116L	15,00	6	7,542	0,021
d.75 mm - Slip connection	131117L	39,60	2	3,680	0,016
d.90 mm - Slip connection	131118L	51,60	2	3,660	0,016
d.110 mm - Slip connection	131119L	76,70	1	6,240	0,018
1 1/2" - Threaded	131115LT	15,00	6	4,620	0,013
2" - Threaded	131116LT	18,60	6	7,542	0,021
2 1/2" - Threadedi	131117LT	44,40	2	3,680	0,016
3" - Threaded	131118LT	57,00	2	3,660	0,016
4" - Threaded	131119LT	85,00	1	6,240	0,018



Single Union PVC Ball Valve. Made of PVC. One side is slip connection from the inside and the other side is with a union. O-rings EPDM, packing PP. PN 16. Patented design: Valve handle can be used to tighten the union. Please ask price for threaded versions.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.50 mm	131415	10,30	6	3,900	0,013
d.63 mm	131416	13,10	6	6,200	0,021
d.75 mm	131417	17,90	2	3,000	0,016
d.90 mm	131418	23,60	2	3,030	0,016

Industrial Ball Valves



PVC Industrial Ball Valve. Slip connection and adjustable ball pressure. For acidic liquid resistance, O-rings from viton, seal from teflon.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.32 mm	131123	17,60	20	7,900	0,017
d.40 mm	131124	21,60	12	7,800	0,017
d.50 mm	131125L	25,30	6	4,620	0,013
d.63 mm	131126L	30,90	6	7,542	0,021
d.75 mm	131127L	72,00	2	3,000	0,016
d.90 mm	131128L	92,00	2	3,060	0,016
d.110 mm	131129L	120,00	1	5,975	0,018

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Industrial Ball Valves

PVC Industrial Ball Valve. Adjustable ball pressure and threaded connection. For acidic liquid resistance, O-rings from viton, seal from teflon. PN 16.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1"	**131123T**	**19,80**	20	7,900	0,017
1 1/4"	**131124T**	**24,00**	12	7,800	0,017
1 1/2"	**131125LT**	**28,80**	6	4,620	0,013
2"	**131126LT**	**34,20**	6	7,542	0,021
2 1/2"	**131127LT**	**78,00**	2	3,680	0,016
3"	**131128LT**	**99,00**	2	3,660	0,016
4"	**131129LT**	**130,00**	1	6,240	0,018

Motorized PVC Ball Valves

Motorized Ball Valves. In case of reverse contactor connection and pool circulation pump is switched off, it closes the suction line of balance tank automatically. In this way, it eleminates the risk of flooding to the engine room due to check valve problems of overflow pools. It can be used with "GEMAS Level Control", "GEMAS Flow Control" devices and also used with every kind of automation systems. 220V/50Hz - 24V AC/DC.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm Motorized Valve	**131115M**	**465,00**	1	1,602	0,008
Ø 60 mm Motorized Valve	**131116M**	**584,00**	1	1,876	0,008

3-Way Valves

Three Way Disc Valve. Made of ABS. Slip Connection. The pump can be used for dispensing at the suction port and / or filter outlet.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Three Way Disc Valve - Ø 50 mm	**13171**	**48,00**	1	1,602	0,008
Three Way Disc Valve - Ø 63 mm	**13172**	**62,00**	1	1,876	0,008

Mini Valves

PP Mini Irrigation Valve. Handle from ABS PN16.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1" x 3/4" Male-Female Valve	**131210**	**3,00**	100	19,600	0,055
3/4" Male-Female Valve	**131211**	**3,00**	100	18,700	0,055
1" Male-Female Valve	**131212**	**3,00**	100	20,800	0,055
1" x 3/4" Female-Female Valve	**131210D**	**3,00**	100	19,200	0,055
3/4" Female-Female Valve	**131211D**	**3,00**	100	18,400	0,055
1" Female-Female Valve	**131212D**	**3,00**	100	21,050	0,055

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Butterfly Valves





GEMAS PVC BUTTERFLY VALVES.
Handle From ABS, Lining From EPDM. Stem from Zinc PLated Carbon Steel. AISI 316 Stem is optional. Valve can be adjusted by 3,75 degree sensitivity. Hole for Security PAdlock.Complete with flanges bolts and nuts. NEW Design Butterfly Valve is limited to sizes d110, d125, d140 and d160. PLease ask availability for other sizes.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 63 mm	131600	83,60	1	2,470	0,094
Ø 75 mm	131601	90,00	1	3,250	0,094
Ø 90 mm	131602	100,00	1	5,270	0,124
Ø 110 mm	131603	113,00	1	6,530	0,124
Ø 125 mm	131604	132,00	1	8,770	0,124
Ø 140 mm	131605	132,00	1	9,100	0,124
Ø 160 mm	131606	193,00	1	12,100	0,124
Ø 200 mm	131607	271,00	1	17,300	0,124
Ø 225 mm	131608	277,00	1	17,800	0,124



MOTORIZED BUTTERFLY VALVE, ON-OFF:
Valve actuator, works with 24 V AC/DC. Complete with flanges, flange adaptors, bolts & nuts. All valves can be controlled manually with switch or flywheel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 90 mm	131602M11	596,00	1		
Ø 110 mm	131603M11	609,00	1		
Ø 125 mm	131604M11	1.026,00	1		
Ø 140 mm	131605M11	1.026,00	1		
Ø 160 mm	131606M11	1.086,00	1		
Ø 200 mm	131607M11	1.199,00	1		
Ø 225 mm	131608M11	1.204,00	1		



PLEASE ASK PRICE FOR PROPOTIONAL MODELS.

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Check Valves - Wafer Check Valves

PVC Swing Check Valves. Two piece body. Complete with bolts.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm Slip connection	131499Y	20,90	30	24,200	0,124
Ø 63 mm Slip connection	131500Y	22,70	24	20,000	0,124
Ø 75 mm Slip connection	131501Y	53,60	12	17,000	0,124
Ø 90 mm Slip connection	131502Y	70,00	10	17,850	0,124
Ø 110 mm Slip connection	131503Y	94,00	6	19,000	0,124



PVC Wafer Check Valves. Complete with flange adaptors, flanges, bolts and nuts.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 90 mm	131502	67,00	1	3,620	0,124
Ø 110 mm	131503	81,00	1	4,250	0,124
Ø 125 mm	131504	87,00	1	5,080	0,124
Ø 140 mm	131505	102,00	1	5,360	0,124
Ø 160 mm	131506	116,00	1	7,400	0,124
Ø 200 mm	131507	172,00	1	10,050	0,124
Ø 225 mm	131508	200,00	1	10,150	0,124
Ø 250 mm	131509	422,00	1	20,600	0,124
Ø 280 mm	131510	526,00	1	21,500	0,124
Ø 315 mm	131511	737,00	1	25,650	0,124





PVC Wafer Swing Check Valve - With Transparent Cover and Spring.
Easy cleaning access via the threaded cover. Thanks to its transparent cover and large chamber, any type of congestion problem can be easily observed. DN50.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 63 mm Slip connection	131500EM	44,00	1		



Check Valves - Spring Weighed Check Valves

Spring Weighed Check Valves.
In PVC or ABS. EPDM O-rings. AISI 316 quality spring. PN16.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	131315	12,30	6	4,330	0,013
Ø 63 mm	131316	16,40	6	5,810	0,022
Ø 75 mm	131317	38,20	2	3,920	0,016
Ø 90 mm	131318	42,70	2	3,780	0,016
Ø 50 mm - Transparent	131315PC	24,60	6	4,330	0,013
Ø 63 mm - Transparent	131316PC	30,90	6	5,800	0,022
Ø 75 mm - Transparent	131317PC	69,00	2	3,920	0,016
Ø 90 mm - Transparent	131318PC	80,00	2	3,780	0,016





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Valve Boxes



Valve Box.
Designed to supply access to valves which are on the undersoil line.
Manufactured from PP.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 250 mm, circular (10")	135601	12,50	1		
250 x 375 mm, prismatic (12")	135602	22,90	1		





Sight Glass



"Union Sight Glass"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.50 mm	134204	29,00			
d.63 mm	134205	33,60			
d.75 mm	134206	83,60			
d.90 mm	134207	113,00			
d.110 mm	134208	125,00			



"Flanged Sight Glass"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.90 mm	134220	127,00			
d.110 mm	134221	142,00			
d.125 mm	134222	156,00			
d.140 mm	134223	176,00			
d.160 mm	134224	263,00			
d.200 mm	134225	312,00			
d.225 mm	134226	369,00			

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PVC Fittings - Elbow

"Elbow, 90°" PN16 up to size 160 mm. Bigger size PN10.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	**133101**	**0,30**	250	4,000	0,021
Ø 25 mm	**133102**	**0,40**	500	5,500	0,021
Ø 32 mm	**133103**	**0,60**	250	17,500	0,094
Ø 40 mm	**133104**	**1,10**	144	3,400	0,021
Ø 50 mm	**133105**	**1,20**	180	25,380	0,034
Ø 63 mm	**133106**	**1,50**	100	20,700	0,034
Ø 75 mm	**133107**	**2,70**	80	24,400	0,124
Ø 90 mm	**133108**	**3,80**	50	25,800	0,124
Ø 110 mm	**133109**	**6,50**	30	23,800	0,124
Ø 125 mm	**133110**	**10,00**	16	15,600	0,124
Ø 140 mm	**133111**	**14,90**	12	15,400	0,124
Ø 160 mm	**133112**	**19,00**	8	18,300	0,124
Ø 200 mm	**133113**	**46,40**	4	14,660	0,124
Ø 225 mm	**133114**	**67,30**	3	13,300	0,124
Ø 250 mm	**133115**	**173,00**	1	7,710	0,094
Ø 280 mm	**133116**	**271,00**	1	9,800	0,124
Ø 315 mm	**133117**	**306,00**	1	14,440	0,124



"Elbow, 45°" PN16 up to size 160 mm. Bigger size PN10.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	**133201**	**0,30**	600	3.400	0,021
Ø 25 mm	**133202**	**0,40**	500	3,400	0,021
Ø 32 mm	**133203**	**0,60**	320	4,200	0,021
Ø 40 mm	**133204**	**1,10**	150	4,200	0,021
Ø 50 mm	**133205**	**1,10**	225	24,070	0,940
Ø 63 mm	**133206**	**1,30**	120	19,800	0,940
Ø 75 mm	**133207**	**2,60**	100	24,180	0,124
Ø 90 mm	**133208**	**3,60**	50	18,080	0,124
Ø 110 mm	**133209**	**6,20**	30	17,120	0,124
Ø 125 mm	**133210**	**9,60**	18	14,340	0,124
Ø 140 mm	**133211**	**13,60**	15	16,380	0,124
Ø 160 mm	**133212**	**19,20**	9	16,400	0,124
Ø 200 mm	**133213**	**41,00**	4	14,300	0,124
Ø 225 mm	**133214**	**67,00**	4	15,260	0,124
Ø 250 mm	**133215**	**146,00**	1	6,100	0,124
Ø 280 mm	**133216**	**244,00**	1	8,980	0,124
Ø 315 mm	**133217**	**261,00**	1	10,880	0,124



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PVC Fittings - Reducing Tee



"Reducing Tee"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 200 - Ø 90 mm	13330132	52,70	3		0,124
Ø 200 - Ø 110 mm	13330133	50,00	3		0,124
Ø 200 - Ø 125 mm	13330134	55,50	3		0,124
Ø 200 - Ø 140 mm	13330135	52,70	3		0,124
Ø 200 - Ø 160 mm	13330136	49,70	3		0,124
Ø 225 - Ø 110 mm	13330141	83,40	2		0,124
Ø 225 - Ø 125 mm	13330142	90,40	2		0,124
Ø 225 - Ø 140 mm	13330143	87,80	2		0,124
Ø 225 - Ø 160 mm	13330144	84,70	2		0,124
Ø 225 - Ø 200 mm	13330145	103,00	2		0,124

PVC Cross



"Cross"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.32 mm	133321	5,60			
d.40 mm	133322	6,30			
d.50 mm	133323	7,30			
d.63 mm	133324	12,10			
d.75 mm	133325	14,40			
d.90 mm	133326	18,10			
d.110 mm	133327	35,00			
d.125 mm	133328	57,00			
d.140 mm	133329	90,00			
d.160 mm	133330	115,00			
d.200 mm	133331	253,00			
d.225 mm	133332	289,00			
d.250 mm	133333	463,00			
d.280 mm	133334	641,00			
d.315 mm	133335	770,00			

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PVC Fittings - Adaptors

"Female Threaded Adaptor"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	133405	1,20	120	13,600	0,049
Ø 63 mm	133406	1,80	87	15,010	0,049
Ø 75 mm	133407	2,70	120	25,760	0,094
Ø 90 mm	133408	3,40	60	19,600	0,094
Ø 110 mm	133409	5,40	44	13,460	0,094



"Male Threaded Adaptor"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	133505	1,30	156	17,720	0,049
Ø 63 mm	133506	2,00	116	18,040	0,049
Ø 75 mm	133507	2,70	120	26,700	0,094
Ø 90 mm	133508	4,60	75	25,860	0,094
Ø 110 mm	133509	5,90	36	17,000	0,094



U-PVC Sockets

"Socket"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	133821	0,20	500	7,000	0,021
Ø 25 mm	133822	0,30	500	10,500	0,021
Ø 32 mm	133823	0,30	300	10,650	0,021
Ø 40 mm	133824	0,60	250	15,500	0,021
Ø 50 mm	133805	0,60	150	13,100	0,049
Ø 63 mm	133806	0,90	87	13,400	0,049
Ø 75 mm	133807	1,80	96	22,300	0,094
Ø 90 mm	133808	2,30	60	22,540	0,094
Ø 110 mm	133809	5,00	36	21,480	0,094
Ø 125 mm	133804	5,00	24	14,340	0,094
Ø 140 mm	133803	5,90	15	14,380	0,094
Ø 160 mm	133802	8,90	12	16,660	0,094
Ø 200 mm	133810	19,80	5	11,320	0,094
Ø 225 mm	133811	32,00	3	10,220	0,094
Ø 250 mm	133812	54,60	2	8,910	0,124
Ø 280 mm	133813	86,00	1	6,120	0,124
Ø 315 mm	133814	133,00	1	7,100	0,124



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PVC Fittings - Reducing Sockets

"Reducing Socket"



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 25 - Ø 20 mm	133602	0,20	250		
Ø 32 - Ø 25 mm	133604	0,20	1000		
Ø 40 - Ø 32 mm	133603	0,20	600		
Ø 50 - Ø 32 mm	133601	0,50	200		
Ø 50 - Ø 40 mm	1336095	0,40	200	16,800	0,094
Ø 63 - Ø 50 mm	133605	0,70	252	16,100	0,049
Ø 75 - Ø 63 mm	133606	0,60	150	12,400	0,049
Ø 90 - Ø 75 mm	133607	0,90	88	12,496	0,049
Ø 110 - Ø 90 mm	133608	2,20	48	12,912	0,049
Ø 75 - Ø 50 mm	1336061	0,95	150	15,100	0,049
Ø 90 - Ø 63 mm	1336071	1,10	88	15,900	0,049
Ø 110 - Ø 75 mm	1336081	2,60	48	13,800	0,049
Ø 110 - Ø 63 mm	1336082	2,80	48	13,700	0,049
Ø 125 - Ø 90 mm	1336091	3,70	36	15,190	0,049
Ø 125 - Ø 110 mm	133609	1,90	36	10,440	0,049
Ø 140 - Ø 90 mm	133612	5,80	23	18,800	0,049
Ø 140 - Ø 110 mm	1336121	3,80	23	6,400	0,049
Ø 140 - Ø 125 mm	1336122	2,60	23	8,700	0,049
Ø 160 - Ø 90 mm	133610	8,70	15	11,320	0,049
Ø 160 - Ø 110 mm	133611	6,30	15	10,180	0,049
Ø 160 - Ø 140 mm	13366111	3,40	15	8,940	0,049
Ø 200 - Ø 160 mm	133672	9,60	14	17,500	0,094
Ø 200 - Ø 140 mm	133671	12,90	14		0,094
Ø 225 - Ø 200 mm	133681	11,60	12	16,300	0,094
Ø 225 - Ø 160 mm	133682	21,00	12	15,400	0,094
Ø 250 - Ø 225 mm	133683	27,30	8	13,900	0,094
Ø 280 - Ø 250 mm	133686	35,00			
Ø 315 - Ø 250 mm	133693	79,70			

"Conical Socket"



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 75 - Ø 50 mm	1339071	2,20			
Ø 75 - Ø 63 mm	1339072	2,50			
Ø 90 - Ø 63 mm	1339082	3,60			
Ø 110 - Ø 63 mm	1339091	5,80			
Ø 160 - Ø 110 mm	13390121	19,40			
Ø 200 - Ø 110 mm	13390131	36,60			

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PVC Fittings - Caps

"Caps"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	133701	0,30	200		
Ø 25 mm	133702	0,30	1000		
Ø 32 mm	133703	0,40	600		
Ø 40 mm	133704	0,50	360		
Ø 50 mm	133705	0,75	262	14,480	0,049
Ø 63 mm	133706	0,90	130	13,120	0,049
Ø 75 mm	133707	1,50	80	15,200	0,049
Ø 90 mm	133708	1,90	46	11,440	0,049
Ø 110 mm	133709	2,80	33	14,340	0,049
Ø 125 mm	133711	4,70	20	9,620	0,049
Ø 140 mm	133712	6,00	11	8,280	0,049
Ø 160 mm	133713	10,90	8	8,840	0,049
Ø 200 mm	133714	17,30	8	13,100	0,094
Ø 225 mm	133715	29,00	6	12,800	0,094
Ø 250 mm	133716	44,40	4	13,200	0,124
Ø 280 mm	133717	62,50	3	15,800	0,124
Ø 315 mm	133718	82,30	2		0,124



"Female Threaded Cap"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	133705T	1,60	210		0,049
Ø 63 mm	133706T	2,30	130		0,049
Ø 75 mm	133707T	4,00	80		0,049
Ø 90 mm	133708T	5,60	46		0,049
Ø 110 mm	133709T	7,30	33		0,049
Ø 125 mm	133711T	10,10	46		
Ø 140 mm	133712T	13,20	33		
Ø 160 mm	133713T	18,90			
Ø 200 mm	133714T	27,00			
Ø 225 mm	133715T	29,30			



"Male Threaded Cap"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2 1/2"	133722	3,60			
3"	133723	6,10			
4"	133724	8,50			



"Caps Male Threaded"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" Male Threaded w/oring	133728T	5,00			
2" Male Threaded w/oring	133729T	5,60			

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Unions



"Both Side Female Union"
O-ring in EPDM compatible with Fitvalf d.50 mm ball valve handle.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.20 mm	132111	1,90	250	11,400	0,021
d.25 mm	132112	2,60	200	12,800	0,021
d.32 mm	132113	3,60	150	13,400	0,021
d.40 mm	132114	4,00	80	11,280	0,021
d.50 mm	132115	5,50	100	19,600	0,094
d.63 mm	132116	6,40	50	18,400	0,094
d.75 mm	132117	16,80	30	22,300	0,094
d.90 mm	132118	23,00	30	19,600	0,094
d.110 mm	132119	30,00	20	30,000	0,094



PVC One Sided Threaded Union. O-Ring in EPDM.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.20 mm	132111T1	2,80	250	11,400	0,021
d.25 mm	132112T1	3,60	200	12,800	0,021
d.32 mm	132113T1	4,90	150	13,400	0,021
d.40 mm	132114T1	5,30	80	11,280	0,021
d.50 mm	132115T1	6,95	100	19,600	0,094
d.63 mm	132116T1	8,40	50	18,400	0,094
d.75 mm	132117T1	19,00	40	22,300	0,094
d.90 mm	132118T1	25,50	30	19,600	0,094
d.110 mm	132119T1	32,70	20	30,000	0,094



PVC Both Sided Threaded Union. EPDM O-Ring.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1/2"	132111T	3,50	250	11,400	0,021
3/4"	132112T	4,30	200	12,800	0,021
1"	132113T	5,70	150	13,400	0,021
1 1/4"	132114T	6,10	80	11,280	0,021
1 1/2"	132115T	8,20	100	19,600	0,094
2"	132116T	9,60	50	18,400	0,094
2 1/2"	132117T	20,00	40	22,300	0,094
3"	132118T	27,30	30	19,600	0,094
4"	132119T	34,60	20	30,000	0,094



PVC Unions. Female socket / Male threaded.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2" - d.50 mm	132121	5,70	100	24,200	0,094
2" - d.63 mm	132122	6,80	50	21,800	0,094
1 1/2" - d.63 mm Male Adapter.	132123	6,90	50	21,400	0,094
1 1/2" - d.50 mm*	1321211		100	24,200	0,094

* It can be used with Gemas 02400T, 02404T and 02403T products.

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Unions

"Brass Union Female Threaded"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.20 mm	133450	6,60			
d.25 mm	133451	9,20			
d.32 mm	133452	11,50			
d.40 mm	133453	25,60			
d.50 mm	133454	33,40			
d.63 mm	133455	56,60			



PVC Fittings - Flange Adaptors

"PVC Flange Adaptor"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	133927	1,20	200	13,600	0,049
Ø 63 mm	133928	1,20	100	11,200	0,049
Ø 75 mm	133929	1,50	70	12,400	0,049
Ø 90 mm	133908	1,90	42	10,850	0,049
Ø 110 mm	133909	3,00	25	10,380	0,049
Ø 125 mm	133910	4,20	15	9,400	0,049
Ø 140 mm	133911	5,60	14	8,940	0,049
Ø 160 mm	133912	8,00	16	18,320	0,094
Ø 200 mm	133913	11,30	8	12,640	0,094
Ø 225 mm	133914	12,30	8	14,740	0,094
Ø 250 mm	133915	51,00	5	14,800	0,124
Ø 280 mm	133916	48,00	4	11,700	0,124
Ø 315 mm	133917	76,00	2	8,500	0,124



"Female Threaded Flange Adaptor"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 1/2"	133927T	2,90			
2"	133928T	3,30			
2 1/2"	133929T	5,80			
3"	133908T	6,40			
4"	133909T	7,30			
4 1/2"	133910T	10,00			
5"	133911T	13,20			
6"	133912T	18,90			
7"	133913T	27,30			
8"	133914T	29,00			



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Flange Adaptors and Flanges



"PVC Flange"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	1331005	2,20	70	17,800	0,049
Ø 63 mm	1331006	2,50	60	19,100	0,049
Ø 75 mm	1331007	3,20	50	21,200	0,049
Ø 90 mm	1331008	3,50	40	15,940	0,049
Ø 110 mm	1331009	3,80	34	15,200	0,049
Ø 125 mm	1331010	5,20	23	15,060	0,049
Ø 140 mm	1331011	5,10	23	13,680	0,049
Ø 160 mm	1331012	6,90	25	20,840	0,094
Ø 200 mm	1331013	13,20	16	26,440	0,094
Ø 225 mm	1331014	13,20	16	24,080	0,094
Ø 250 mm	1331015	65,00	5	14,800	0,124
Ø 280 mm	1331016	59,00	4	9,600	0,124
Ø 315 mm	1331017	65,00	2	5,600	0,124



"Blind Flange"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 110 mm	1331109	12,10	34		
Ø 125 mm	1331110	16,30	23		
Ø 140 mm	1331111	16,30	23		
Ø 160 mm	1331112	23,00	25		
Ø 200 mm	1331113	61,00			
Ø 225 mm	1331114	61,00			



"Vibration Flange"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
d.50 mm	0141113	80,00			
d.65 mm	0141114	89,00			
d.80 mm	0141115	109,00			
d.100 mm	0141116	124,00			
d.125 mm	0141117	190,00			
d.150 mm	0141118	260,00			
d.200 mm	0141119	367,00			
d.250 mm	0141120	505,00			
d.300 mm	0141121	834,00			
d.350 mm	0141122	1.941,00			
d.400 mm	0141123	3.897,00			
d.450 mm	0141124	P.A.P.			
d.500 mm	0141125	P.A.P.			
d.600 mm	0141126	P.A.P.			

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PVC Fittings - Nipple

"Nipple"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1/2"	1111080	0,70			
3/4"	1111081	0,75			
1"	1111082	0,90			
1 1/4"	1111083	1,30			
1 1/2"	1111084	1,30			
2"	1111085	1,50			
2 1/2"	1111086	2,50			
3"	1111087	3,40			
4"	1111088	5,20			
4 1/2"	1111089	19,30			
5"	1111090	21,80			
6"	1111091	31,80			
7"	1111092	45,50			



Hose Connection and Wall Conduit Flanges

PVC Hose Connection. O-rings in EPDM.
One side is external threaded, the other side is internal slip.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
• For d.38 mm hose-1 1/2"	136115	3,75	100	24,200	0,094
• For d.38 mm hose-1 1/2" used above adaptor	136125	3,75	50	21,800	0,094
			50	21,400	0,094



136115



136125

PVC Wall Conduit Flange.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 63 mm	041602	0,45			
Ø 75 mm	041603	0,70			
Ø 90 mm	041604	0,90			
Ø 110 mm	041605	1,00			



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U-PVC Pipes - 6 bars

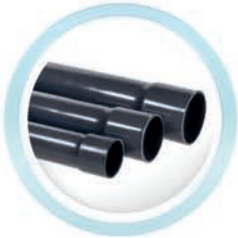
U-PVC Solvent Cement Socket Pressure Pipes for Clean Water:
PVC Clean Water Pipes have a smooth and a regular surface. Resistant to pressure and atmosphere conditions. With its high durability to chemicals, it is suitable for all kinds of liquid flow. Manufactured according to the norms of TS274, EN 1452 and DIN 8062,19532. They are the most common products that are used for the transfer of clean water with their simple installation and transfer, durability and healthy structure.
As Quality is the major principle for our Quality. Tests and analysis are done regulary at the laboratory.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	1390601	4,85			
Ø 63 mm	1390602	6,70			
Ø 75 mm	1390603	7,20			
Ø 90 mm	1390604	10,80			
Ø 110 mm	1390605	13,00			
Ø 125 mm	1390606	17,20			
Ø 140 mm	1390607	22,00			
Ø 160 mm	1390608	29,00			
Ø 200 mm	1390609	45,00			
Ø 225 mm	1390610	57,00			
Ø 250 mm	1390611	71,00			
Ø 280 mm	1390612	90,00			
Ø 315 mm	1390613	117,00			
Ø 355 mm	1390614	148,00			
Ø 400 mm	1390615	189,00			

U-PVC Pipes - 10 bars - 16 bars

U-PVC Solvent Cement Socket Pressure Pipes for Clean Water. 10 BARS



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	1391000	3,10			
Ø 25 mm	1391001	3,10			
Ø 32 mm	1391002	3,70			
Ø 40 mm	1391003	4,80			
Ø 50 mm	1391004	6,60			
Ø 63 mm	1391005	8,70			
Ø 75 mm	1391006	12,80			
Ø 90 mm	1391007	18,30			
Ø 110 mm	1391008	22,00			
Ø 125 mm	1391009	29,00			
Ø 140 mm	1391010	36,00			
Ø 160 mm	1391011	47,00			
Ø 200 mm	1391012	74,00			
Ø 225 mm	1391013	92,00			

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U-PVC Pipes - 10 bars - 16 bars

U-PVC Solvent Cement Socket Pressure Pipes for Clean Water. 10 BARS

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 250 mm	1391014	115,00			
Ø 280 mm	1391015	144,00			
Ø 315 mm	1391016	184,00			
Ø 355 mm	1391017	232,00			
Ø 400 mm	1391018	295,00			



U-PVC Solvent Cement Socket Pressure Pipes for Clean Water. 10 BARS

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	1391601	1,20			
Ø 25 mm	1391602	2,00			
Ø 32 mm	1391603	3,10			
Ø 40 mm	1391604	4,80			
Ø 50 mm	1391605	7,40			
Ø 63 mm	1391606	11,90			
Ø 75 mm	1391607	16,80			
Ø 90 mm	1391608	25,00			
Ø 110 mm	1391609	31,00			
Ø 125 mm	1391610	40,00			
Ø 140 mm	1391611	51,00			
Ø 160 mm	1391612	68,00			
Ø 200 mm	1391613	107,00			
Ø 225 mm	1391614	136,00			
Ø 250 mm	1391615	168,00			
Ø 280 mm	1391616	214,00			
Ø 315 mm	1391617	278,00			
Ø 355 mm	1391618	352,00			
Ø 400 mm	1391619	452,00			

PVC Solvent Cements

"PVC Solvent Cement". Plastic bottle with brush. ASTM Heavy Duty formula.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Plastic Bottle PVC Glue Cement - 1 lt	13524	22,00	12		
1000 ml	13520	35,00	6	7,200	0,012
500 ml	13523	24,60	12	6,900	0,011
250 ml	13522	15,70	24	7,600	0,011
125 ml	13521	12,25	16		
Cement for PVC Flexible Tube - 500 gr	13530	26,30			



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PVC Solvent Cements



"Fast PVC Cements" Made in USA.
Can be pressurized to system 15 minutes after application.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1 kg	13540	39,80			

PVC Pipe Clamps



UPVC Pipe Clamps.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 20 mm	133350	0,20			
Ø 25 mm	133351	0,20			
Ø 32 mm	133352	0,30			
Ø 40 mm	133353	0,40			
Ø 50 mm	133354	0,50			
Ø 63 mm	133355	1,20			
Ø 75 mm	133356	1,40			
Ø 90 mm	133357	2,10			
Ø 110 mm	133358	2,20			
Ø 125 mm	133359	3,40			
Ø 140 mm	133360	4,40			
Ø 160 mm	133361	5,80			

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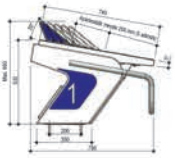
Starting Platforms

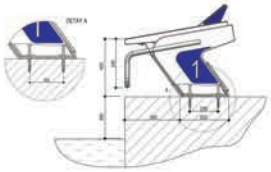
Track-Start Platforms. Made of FRP, AISI 304 stainless steel handles. Foot rest pad can be adjusted to front or back. Platform in non-slip and large surface.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height: 400 mm	**14141**	**2.250,00**	1		
Relay Sensor, Mechatronic	**14141DS**	**863,00**	1		



14141DS

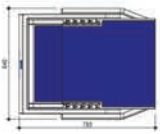












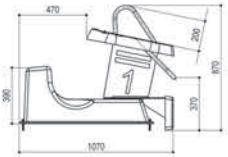
Fixed Starting Platforms. Made of FRP, AISI 304 quality stainless steel top and front handles. Height can be adjusted up to 700 mm through the elevation platform. FRP turning panels can be adapted to front side of the platform.

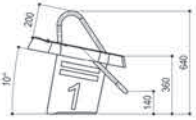
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height: 400mm	**14151**	**748,00**	1		
Height: 700mm	**14152**	**1.009,00**	1		
FRP Turning Panel (Optional)	**14153**	**288,00**	1		





View with elevation platform







14152+14153

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Starting Platforms



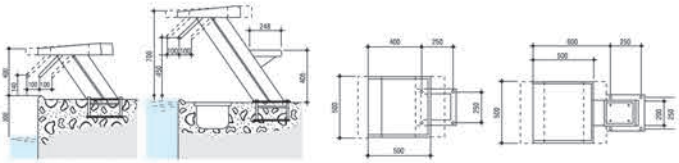
Starting Platform with Elevation and Turning Podiums. Made of FRP over steel frame, h=300 mm, height adjustable legs. Used with 400 mm height starting platforms. Each for every swim lane.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
2000 x 1000 mm	141411	3.777,00	1		
2500 x 1000 mm	141412	4.743,00	1		



Starting Platforms; Adjustable. Base in AISI 304 quality stainless steel, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm. Special anchor to be installed in concrete slab is upon request.

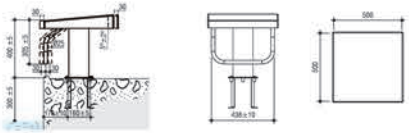
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height : 700 mm	14111	863,00	1	23,112	0,340
Height : 400 mm	14112	725,00	1	17,200	0,375



Adjustable Starting Platform. AISI 304 quality stainless steel cylindrical body. The platform can by adjusted 3 cm forwards or backwards. The handle is also independently adjustable by 3 cm. Non-slippery surface, polyester and fiberglass 500 x 500 mm platform.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height : 400 mm	14113	725,00	1		
Height : 700 mm	14114	866,00	1		





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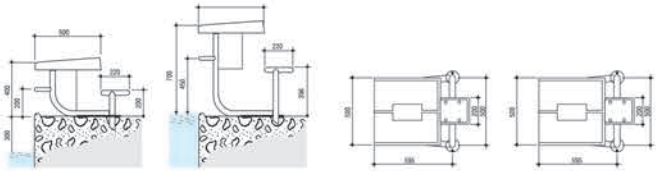
Starting Platforms

Starting Platforms; Fixed. Base made of AISI 304 quality stainless steel Ø 42 mm. pipe, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height : 700 mm	14121	550,00	1		
Height : 400 mm	14122	514,00	1		

PS: Designed to be fixed with "14410" or "14430" anchors are not included.

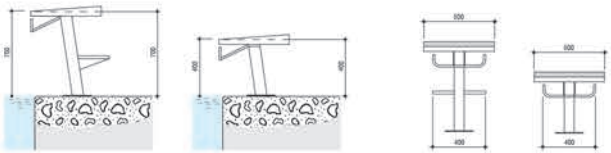




Starting Platforms; Fixed. Base made of AISI 304 quality stainless steel, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Height : 700 mm	14131	747,00	1		
Height : 400 mm	14132	671,00	1		







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Anchors



Level Anchors for Zurich and Wiesbaden Type Swimming Pools.
In AISI 304 quality stainless steel, for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14410	41,00	2	1,672	0,008



Inclined Anchors for Finnish Type Swimming Pools.
In AISI 304 quality stainless steel, for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14420	41,00	2	1,020	0,008



Level Anchors with Bolts for "14121" and "14122" Starting Platforms.
In AISI 304 quality stainless steel for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14430	52,00	2	1,240	0,008

Turning Panels

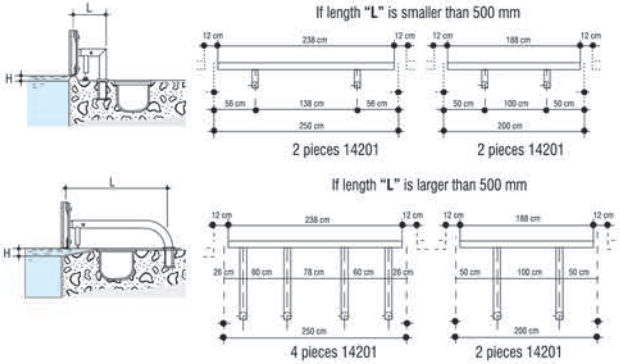
Turning Panels for Overflow Competition Pools.
Frame in AISI 304 quality stainless steel frame screened with plastic grating. Height 300 mm.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Lane width : 2,0 m	14210	236,00	1	12,000	
Lane width : 2,5 m	14220	329,00	1	14,000	
Support for turning panels in AISI 304 quality stainless steel.	14201	173,00	2	7,000	

PS: Designed to be fixed with "14410" or "14420" anchors which are not included.

"L" and **"H"** should be dimensioned when ordering.



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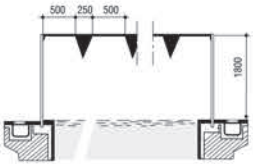
Post Set



Set of Backstroke Turn Indicators. Composed of 2 posts Ø 42 mm. in AISI 304 quality stainless steel. Height: 1,80 m. One of them is with a pulley and the other with a fixing element for cord. Complete with nylon cord and flags.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For pools of 12,5 m width	**14311**	**184,00**	1	16,000	0,060
For pools of 25 m width	**14312**	**276,00**	1	14,000	0,050

PS: Designed to be fixed with "14410" or "14420" anchors which are not included.

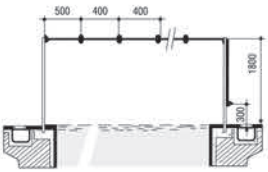




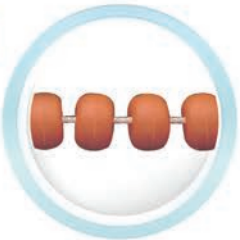
Set of False Start Posts. Composed of 2 posts Ø 42 mm. in AISI 304 quality stainless steel. Height: 1,80 m. One of them is with a pulley and the other with a fixing element for cord. Complete with plastic floats and nylon cord.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
For pools of 12,5 m width.	**14321**	**161,00**	1	12,000	0,057
For pools of 25 m width.	**14322**	**230,00**	1	14,000	0,030

PS: Designed to be fixed with "14410" or "14420" anchors which are not included.
Two sets are necessary for a competition pool.

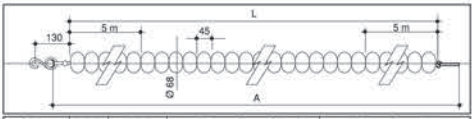


Floating Lanes



Rome Model. Complete with plastic floats, nylon line and 1 hook "14650"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 25 m	**14511**	**362,00**	1	8,700	0,135
Length: 50 m	**14512**	**722,00**	1	17,400	0,265



Code	L (m)	A (m)	# of floats - Rome, Colored	# of floats - Rome, White
14511	25	27	232	318
14512	50	52	232	868

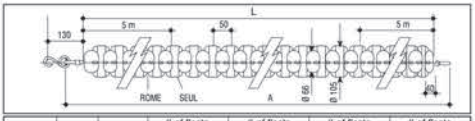
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Floating Lanes



Seul Model. Complete with plastic floats, nylon line and 1 hook "14650"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 25 m	**14521**	**725,00**	1	23,700	0,340
Length: 50 m	**14522**	**1.445,00**	1	47,400	0,620

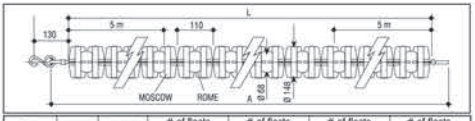


Code	L (m)	A (m)	# of floats Seul, Colored	# of floats Rome, White	# of floats Seul, White	# of floats Rome, Colored
14521	25	27	178	178	268	269
14522	50	52	178	178	714	715



Moscow Model. Complete with plastic floats, nylon line and 1 hook "14650"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 25 m	**14531**	**546,00**	1	22,150	0,340
Length: 50 m	**14532**	**1.092,00**	1	44,300	0,620

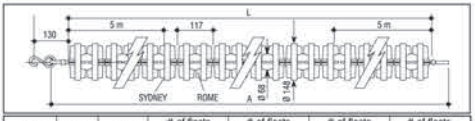


Code	L (m)	A (m)	# of floats Moscow, Colored	# of floats Rome, White	# of floats Moscow, White	# of floats Rome, Colored
14531	25	27	192	96	192	143
14532	50	52	192	96	192	378



Sydney Model. Complete with plastic floats on 1 hook "14650"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Length: 25 m	**14541**	**675,00**	1		
Length: 50 m	**14542**	**1.350,00**	1		



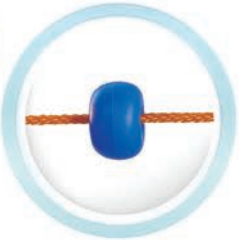
Code	L (m)	A (m)	# of floats Sydney, Colored	# of floats Rome, White	# of floats Sydney, White	# of floats Rome, Colored
14541	25	27	168	84	240	120
14542	50	52	174	84	640	320

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Floaters

"Rome Model". Floater.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	**145101**	**0,80**	500	7,000	0,110
Orange	**145102**	**0,80**	500	7,000	0,110
Blue	**145103**	**0,80**	500	7,000	0,110
Red	**145104**	**0,80**	500	7,000	0,110



"Seul Model". Floater.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White	**145201**	**0,80**	150	7,000	0,080
Orange	**145202**	**0,80**	150	7,000	0,080
Blue	**145203**	**0,80**	150	7,000	0,080
Red	**145204**	**0,80**	150	7,000	0,080



Floating Lane Accessories

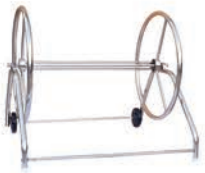
Seperator Collector Trolley. It has 4 wheels which 2 of them with brakes. Covered with PVC canvas for avoiding dripping out of excess water. Design to carry 1 piece 50m seperator. It's for the installation of the seperator with stainless steel anchors in the overflow pools. AISI 304 quality stainless steel. Dimenson is 200 x 100 x 84. Has a 3/4" release valve in the bottom, to drain collected water.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14680	**1.744,00**	1		

Float Lane Roller. Made of AISI 304 quality stainless steel, Ø 42 pipe. Width: 1,20 m.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Width: 1,20 m	**14660**	**1.069,00**	1	25,000	2,200
Width: 1,80 m	**14661**	**1.322,00**	1		



Roller Capacity: Width 1,20 m

FLOAT LINE	25 m	33 m	50 m
Seul Model	4	2	2
Rome Model	8	6	4
Moscow Model	4	2	2

Roller Capacity: Width 1,80 m

FLOAT LINE	25 m	33 m	50 m
Seul Model	6	3	3
Rome Model	12	9	6
Moscow Model	6	3	3

Float Line. Rope.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Nylon.	**14631**	**1,35**	160 m	8,420	0,025
Ø 7 mm. Price per meter.					
Plastified Stainless Steel.	**14632**	**10,00**			
Ø 5 mm. Price per meter.					



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Floating Lane Accessories



Ergonomic Seperator Tensioner. Body made of GF-PP and accessories from AISI 316. complete with 7 mm thick hook, SS rope fixing accessories. Threaded tension rod and easy grip plastic body allows easy tightening up to 130 mm. Can only used with SS lane ropes

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14643	118,00			



Floating Line Tensor with Spring. In chrome plated bronze.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14641	197,00	1	0,686	0,001



Floating Line Tensor with Screw. In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14642	89,00	6	0,182	



Rope Anchor. Made of bronze. 3/4".

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14651	9,60		0,186	



Line Hook. To be attached at one end of float lane. In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14650	17,00		0,186	



Model 1 Model 2

Lane Anchor Cup. AISI 304 quality, to be embedded to pool wall.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 1	14611	114,00	1	22,150	0,340
Model 2	14627	59,00	1	44,300	0,620



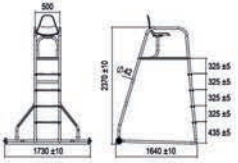
Float Support. To be used with anchors "14410" and 14420". In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	14620	59,00	2	0,520	



Refree Seat. Made of AISI 304 quality stainless steel and Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Model 1	14670	1.607,00	1	0,566	0,001
Model 2	14671	1.677,00	1		



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AUTOMATIC TIMING SYSTEMS FOR COMPETITION POOLS ALGE TIMEMANAGER TM-SWIM

PLEASE ASK PRICE ON PROJECT BASIS



ALGE TIMEMANAGER TM-SWIM SPECIFICATIONS

- PC based timing system
- Easy connection to new generation lap-top and PC with USB interface
- User friendly
- Swimlane control with 16 touchpads
- Audio and optic control for each swimlane
- Each swimlane can be connected to 5 independent timing channels (1 touchpad, 3 button, 1 Relay Time)
- Integrated battery system – 4 hours working time
- Integrated speaker system
- False start warning on the screen
- Detection and warning system for difference of timing channels
- Reliable Touchpads
- Saving the statistics values
- Compatible with FINA, SSCH, AAU, NCAA and LEN regulations.

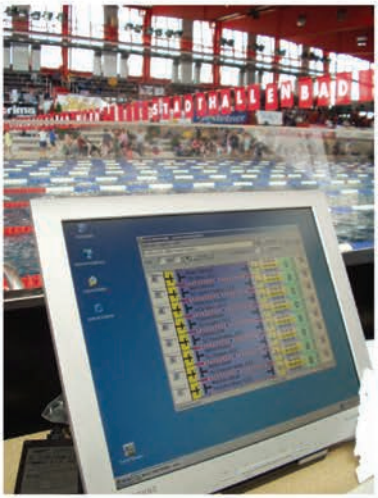
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AUTOMATIC TIMING SYSTEMS FOR COMPETITION POOLS ALGE TIMEMANAGER TM-SWIM

PC Software

Alge Swimtime Software provides the information of time-manager processor, with user friendly and visual interface. Available for all Windows Systems.





- User Friendly software
- Visual illustration
- Same layout with pool
- Free update for 10 years
- Back-up Battery
- Manage 16 swimlane
- Competitors Information



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COMPETITION POOL SCORE SYSTEM PRODUCTS



TimeManager TM-SWIM: It's the processor that all timing activities are processed and recorded. Easy connection to new generation lap-top and PC with USB interface. Automatic timing, recording and instant printout. In this way, printouts of all timings are obtained in case of a system issue. Complete with speaker, 4 hour battery for power cut, printer, score board, starting system, auditory and visual warning inputs. Measuring range is 23 hours, 59 minutes, 59,9999 seconds.



SWIM Terminal SWT3: Needs to be installed to each swimlane. The TimeManager automaticly finds and enumerates SWT3 which is founded in each swimlane. 5 different time channels can be connected to every SWT3 terminals; 1 x touchpad, 3 x Manuel Time Buttons, 1 x starting time.



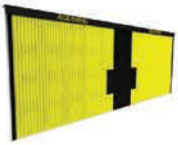
Start Unit: Complete with integrated microphone and start buton.



Active (SPA) and Passive (SPP) Speakers. Each active speakers includes a amplifier and controls a passive speaker.



LED SCORE BOARDS :
Options for 1, 8, 10 lines, wall matrix video options and options for colored displays.



TouchPads TP2400/TP1800: The most important instrument of the system. Quality of this product determines quality of the system. The backside is made of stainless steel. To be found in two different swimlane measures.



Manuel Time Buttons:
Waterproof design, 2 m cable.



Track Start Blocks.
Made of FRP. Foot rest pad can be adjusted for ergonomic start.



Platform with Time Sensor: Can be adapted to available platforms. Starting time detection platform adaptor.



Backstroke Starting Kit.
Prevents the start through the glide from touching panel. Compatible with GEMAS Starting Platform

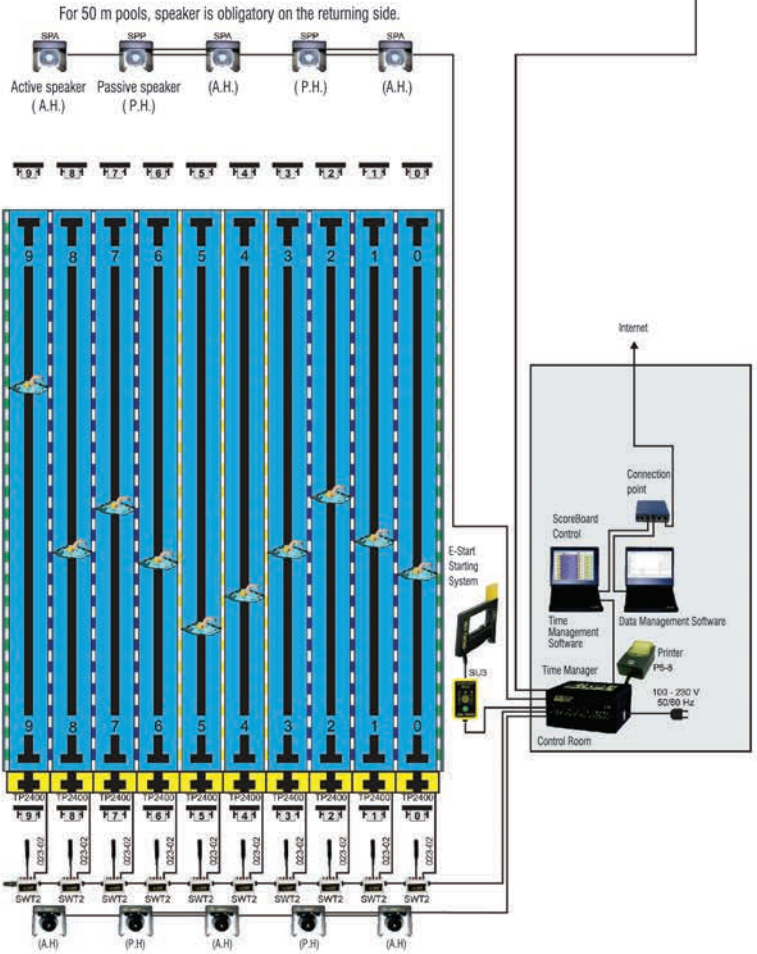
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ALGE TIMING

SWIMTIME PACKAGE 1



SINGLE LINE DIGITAL SCOREBOARD



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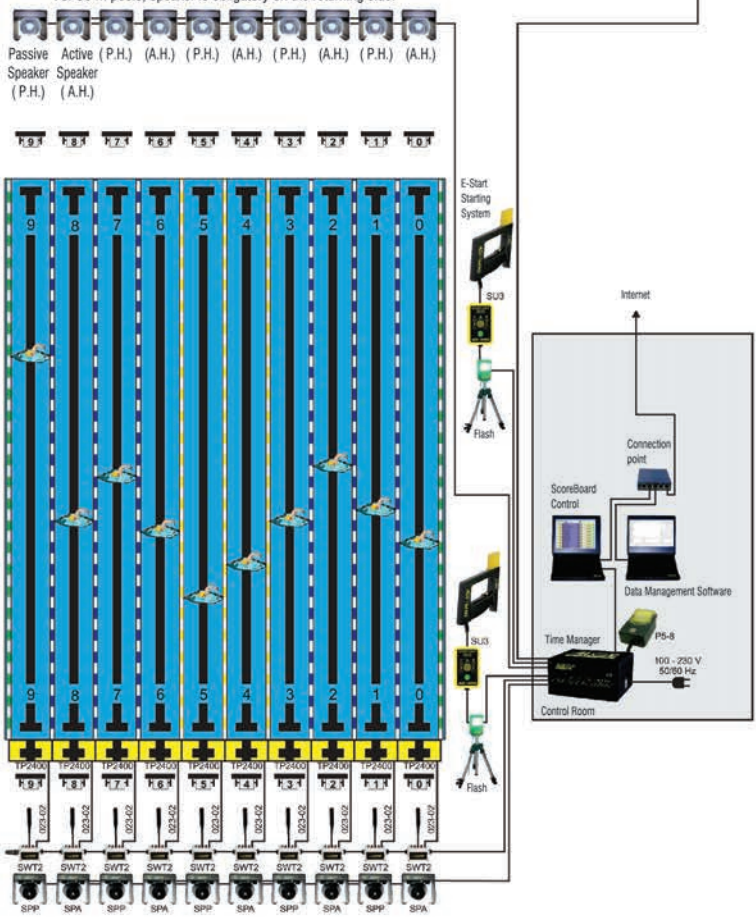
ALGE TIMING

SWIMTIME PACKAGE 2



100 - 230 V 50/60 Hz

For 50 m pools, speaker is obligatory on the returning side.



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10 LINES MATRIX LED SCOREBOARD

Below seen videowall is optional

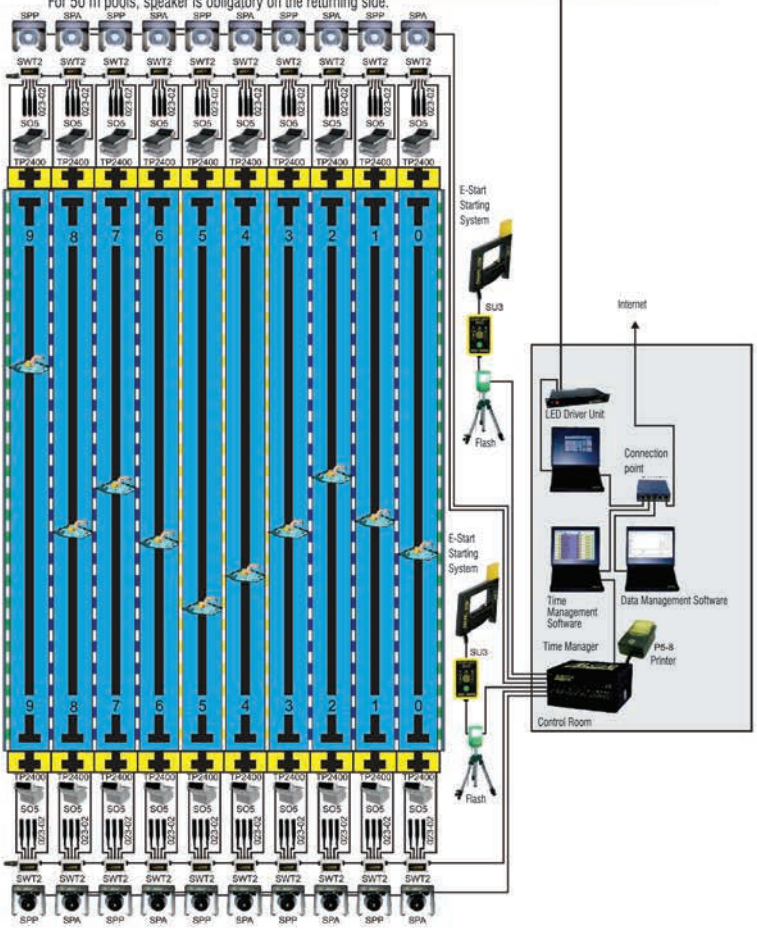
ALGE TIMING

SWIMTIME OLIMPIC SYSTEM

SWIMTIME PACKAGE 3



For 50 m pools, speaker is obligatory on the returning side.



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POOL EQUIPMENT

15 Spa & Sauna Equipment 295 302

Massage Jets



"Freedom" model massage jet. Water connection d.50 mm, air connection Ø 32 mm, complete with internal set. Recommended flow; 1,5 m³/h - 7 mSS

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-FS715	50,00	1	0,380	



"Freedom" model massage jet internal set. Adjustable type

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-FSOOTA	19,80	1	0,090	



"Hydrojet" model massage jet. Complete with nozzle. Water and Air connection Ø 50 mm, PVC, including nozzle. Recommended flow; 1,5 m³/h - 7 mSS

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-4100	40,00	1	0,440	



"Magna" Model Massage Jet Body. Water connection d.50, air connection d.32, excluding nozzle. Recommended flow; 2,7 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-4833	40,00	1	0,440	



To be used for "Magna" Model Massage Jet.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Magna'SSage: Single mouth 0,008 heading jet nozzle.	1516-4821	33,00	1	0,062	
Magna'SSage: Double mouth swivel heading jet nozzle.	1516-4820	33,00	1	0,078	



"SP-1434A" Model Massage Jet. Water and air connections Ø 50 mm; PVC, 2" inlet included. Recommended flow; 1,5 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-1434A	25,00	1		



"SP-1434ASS" Model Massage Jet. Water and air connection Ø 50, PVC, 2" inlet included. Frame is stainless steel. Recommended flow; 1,5 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	1510-1434ASS	36,00			

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Massage Jets

"EM" Model Massage Jets. Water connection D.50, air connection D.32. Complete with adjustable type internal set.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1596601207	30,30	1	0,420	

"EM" Model Massage Jet Internal Set.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rotary type, Recommended Flow 1,5m^3/h	1588090912	11,60	1	0,090	

"Swimjet" Model Massage Jet. Water connection Ø 63 mm, air connection Ø 32 mm, length 145 mm. Recommended flow; 16 m^3/h - 7 mwh



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1516-5759	69,00	1	0,420	

"Hydrojet" Model Massage Jet Extension. L=105 mm, ABS.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1510-4400	35,70	1	0,214	

"Venturi TEE" Model Massage Jet Body. Water connection Ø 48,6 mm, length excluding nozzle: 260 mm. Suggested discharge: 5m^3/h - 7mwh (Used for building massage station inside the pool).



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1510-4320	25,00	1	0,253	

"Venturi TEE" Model Massage Jet Inlet.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
F.I.S. FITTINGS.	1510-3420	22,60	1	0,090	

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Air Jets



Air jet. White, ABS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
9 Holes - Top, Removable Cover	**1511-9201**	**8,00**	1		
9 Holes - Top	**1511-9202**	**7,00**	1		

Suction Drain



"Big Type" Suction Drain.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
White ABS, 3" external thread 0,008	**1510-6201**	**37,00**	1	1,222	
Dış çap Ø 152 mm					
Ø 90 mm Slip Connection					
Recommended Flow Rate 20 m^3/h					

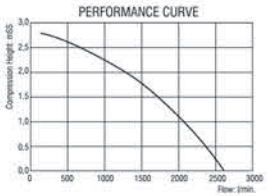
Air Blowers

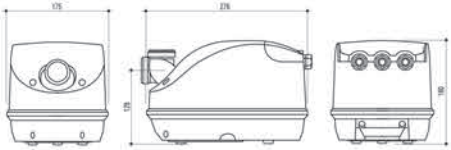


BLOWERS FOR DISCONTINUED USE.

Genesis Blower 1,2 kW, 230 V/50 Hz. Maximum pressure: 3,0 mwh, Maximum recommended flow rate: 160 m^3/h.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Genesis Blower 1,2 kW	**15GB120-2NN-3**	**400,00**	1	2,792	0,011





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Air Blowers

"Air Blower for Continuous Use"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Blower 1.3 kW, Single Stage, 220/380V	**15410H26**	**513,00**	1	17,000	
Blower 2.2 kW, Single Stage, 220/380V	**15610H16**	**865,00**	1	28,000	
Blower 2.2 kW, Double Stage, 220/380V	**15420H46**	**942,00**	1	27,000	
Blower 3 kW, Single Stage, 220/380V	**15630H26**	**1.119,00**	1	35,000	
Blower 3 kW, Double Stage, 220/380V	**15720H26**	**1.604,00**	1	48,000	
Blower 4.3 kW, Double Stage, 380/660V	**15730H47**	**1.376,00**	1	45,000	
Blower 4.3 kW, Double Stage, 380/660V	**15720H37**	**2.088,00**	1	54,000	
Blower 5.5 kW, Double Stage, 380/660V	**15720H47**	**2.665,00**	1	70,000	
Blower 7.5 kW, Double Stage, 380/660V	**15720H57**	**2.837,00**	1	74,000	



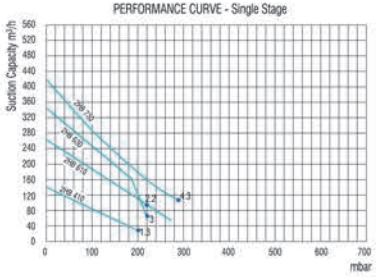




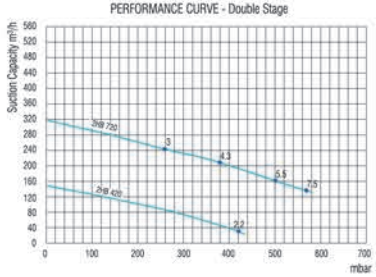
TECHNICAL CHARACTERISTICS

MODEL	15410H26	15610H16	15420H46	15630H26	15720H26	15730H47	15720H37	15720H47	15720H57
Frequency (Hz)	50	50	50	50	50	50	50	50	50
Power (kW)	1.3	2.2	2.2	3	3	4.3	4.3	5.5	7.5
Voltage (V)	220-380	220-380	220-380	220-380	220-380	380Δ-660Y	380Δ-660Y	380Δ-660Y	380Δ-660Y
Current (A)	5.7	9.7	9.7	12.5	12.5	9.5	10	13.3	16.7
Max. Flow (m^3/h)	145	265	150	345	320	420	320	320	320
Vacuum (mbar)	-170	-235	-330	-240	-280	-265	-360	-440	-440
Pressure (mbar)	200	220	420	220	260	290	380	500	570
Noise (dB)	63	69	66	70	73	70	73	73	73
Weight (Kg)	17,000	28,000	27,000	35,000	48,000	45,000	54,000	70,000	74,000

PERFORMANCE CURVE - Single Stage



PERFORMANCE CURVE - Double Stage



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Air Buttons



"Standard" Pneumatic Air Button

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Body external diameter 31,5 mm, 3 mm tube connection.	1522-1043	15,00	1	0,020	
Body external diameter 1", 3 mm tube connection.	1522-1044	17,30			



"Big Size" Pneumatic Air Button

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Big size, Ø 65 mm white PVC	1156433	51,30	1	0,035	
pneumatic button, h=67 mm. 4 mm tube connection. Can be depressed from 25 m.					
h=37,5 mm ABS white lid	156438	40,00		0,022	

Pneumatic Switch Boards



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
PNEUMATIC SWITCH BOARD, Complete with contactor and circuit breaker for up to 4 kw triphase pumps. Assembled in a humid resistant plastic box.	05080	234,40	1	0,748	
PNEUMATIC SWITCH. Permanent type. Up to 1 HP	156871	16,00	1	0,020	
PNEUMATIC SWITCH HOSE. D 2,0 - 4,0 mm. Price per meter.	15310	1,13			

Electronic 3-Function Button



GEMAS "Electronic Button" 64mm.
Works with the driver. It can be installed / used outdoors. UV protected touch pad.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3-Function Button	15231	30,00	1		
Driver	15230	101,30	1		

Air Regulators



"Standart" Type Air Regulator

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Big model 1 1/4" male threaded	1510-2100	18,00	1	0,084	
Big model 1 1/4" male threaded. St.Steel	1510-2100S	48,00	1		
Small model 3/4" male threaded	1510-2200	12,70	1	0,036	
Small model 1" male threaded. Chrome-plated.	1510-2300	14,45	1		

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Caps

Hydro-Air "Caps"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	1520-1015	8,50	1	0,036	



PVC Flexible Tubes

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 32 mm PVC Flexible Tube	15410	7,50			
Ø 50 mm PVC Flexible Tube	15420	9,15			
Ø 63 mm PVC Flexible Tube	15430	15,00			



Flexible Tube Cement

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	13530	8,50	1	0,500	



SPA Underwater Lights

"Mini 2001" Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m. cable. 50 W/12 V bulb or 4,2 W power LED. Led bulbs is %100 sealed from water with transparent epoxy.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Slip type body with plastic frame	05112S	38,00	4	2,000	0,007
05112S,6 W/12 V SMD 36 LED	05112SLS	55,00	4		
2" Threaded body with plastic frame	05112T	38,00	4	2,100	0,007
05112T, 6 W/12 V SMD 36 LED	05112TLS	55,00	4		



Nut for Mini Underwater Light, for FR-Polyester Pools. Made of white ABS Plastic with 2" internal thread. Complete with gasket.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Ø 50 mm	04237	9,00	35	1,474	0,006



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Sauna Heater



Sauna Heater With Onboard Control. JM series heater.
Dimensions 32x32 x53 cm. Stone capacity: 7,5 kg

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
JM-36BS, 3,6 kW Mono.	1811101	417,00	1		



Sauna Heater With Onboard Control. SCA series heater, made of galvanized steel.
Dimensions: 43 x 30 x 60 cm. Stone capacity: 7,5 kg. **Stone is included in price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SCA-30NS, 3,0 kW Mono.	1811211	365,00	1		
SCA-45NS, 4,5 kW Mono.	1811212	374,00	1		
SCA-60NS, 6,0 kW Mono.	1811213	393,00	1		
SCA-80NS, 8,0 kW Tri.	1811214	415,00	1		
SCA-90NS, 9,0 kW Tri.	1811215	433,00	1		



Sauna Heater With Onboard Control. Made of stainless steel, SCASS series heater.
Dimensions: 43 x 30 x 60 cm. Stone capacity: 7,5 kg. **Stone is included in price.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SCA-30N, 3,0 kW Mono.	1811221	442,00	1		
SCA-45N, 4,5 kW Mono.	1811222	460,00	1		
SCA-60N, 6,0 kW Mono.	1811223	481,00	1		
SCA-80N, 8,0 kW Tri.	1811224	504,00	1		
SCA-90N, 9,0 kW Tri.	1811225	518,00	1		

Sauna Heater Stones



Heat-resist volcanic sauna stones.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
7,5 kg	181101	13,00	1		
20 kg	181102	20,00	1		

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Sauna Heater

Sauna Heater External Control. Made of stainless steel, SCASS series heater.
Dimensions: 43x30x60 cm. Stone capacity: 7,5 kg.**Control and Stone is included in price.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SCA-30, 3,0 kW Mono.	1811321	620,00	1		
SCA-45, 4,5 kW Mono.	1811322	650,00	1		
SCA-60, 6,0 kW Mono.	1811323	673,00	1		
SCAS-80, 8,0 kW Tri.	1811324	678,00	1		
SCA-90, 9,0 kW Tri.	1811325	701,00	1		

Sauna Heater External Control. SAV series commercial heater.
Dimensions: 69x55x52 cm. Stone capacity: 20 kg. **Control and Stone is included in price.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SAV-105, 10,5 kW Tri.	1811411	1.000,00	1		
SAV-120, 12,0 kW Tri.	1811412	935,00	1		
SAV-150, 15,0 kW Tri.	1811413	964,00	1		
SAV-180, 18,0 kW Tri.	1811414	1.263,00	1		

Sauna Heater External Control. SAV series commercial heater. Dimensions: 72x69x55 cm.
Stone capacity: 30 kg. **Control and Stone is included in price.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SAV-210, 21,0 kW Tri.	1811511	1.862,00	1		
SAV-240, 24,0 kW Tri.	1811512	1.969,00	1		
SAV-270, 27,0 kW Tri.	1811513	2.060,00	1		
SAV-300, 30,0 kW Tri.	1811514	3.902,00	1		

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Sauna Control and Power Control Boxes



Sauna Control and Power Control Boxes. Designed for external control sauna heaters. All models have a second safety thermostat for thermostat malfunction. Each control panel has a timer for setup of working hours.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
SCA Digital Control, 3-15 kW	**181201**	**219,00**	1		
SAV Digital Control, 18-30 kW	**181203**	**269,00**	1		
Power Control Box, for 18-30 kW	**181204**	**336,00**	1		

Sauna Construction Materials



181311

Prefabricated Sauna Doors. Made of Knotty Finn pine. Complete with doorframe, 6 mm thick tempered glass.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
KS-D1, 200 x 71,5 x 5,5	**181311**	**523,00**	1		
KS-D2, 200 x 71,5 x 5,5	**181312**	**570,00**	1		
KS-D3, All-Glass	**181313**	**512,00**	1		



181312



181313



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Sauna Door Handle, Wooden	**181316**	**50,00**	1		

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Sauna Construction Materials

Wooden Vent.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Grid, Constant 200 x 140 mm	181321	23,00	1		
Flap 350 x 150 mm	181322	23,00	1		





Wooden Profiles for Sauna Construction

For Wall and Ceiling Coating. Abachi panel lenghts between 210-220-240-250-300-400-420-440 cm. Scandinavian panel lenghts between 210-220-240-250 cm. Price per meter.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Abachi Panel 85 x 12 mm	1813341	PAP			
Abachi Panel 85 x 15 mm	1813342	PAP			
Scandinavian Panel, Knot-free 87 x 15 mm	1813343	PAP			
Scandinavian Panel, Knot-free 87 x 18 mm	1813344	PAP			



For Sitting Groups. Abachi wooden profile lenghts between 220-460 cm. Price Per Meter.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Abachi Wooden Profile 95 x 15 mm	1813331	62,50			
Abachi Wooden Profile 95 x 18 mm	1813332	63,00			



For Framework. Abies framework. Lenghts 200, 300, 400. Price Per Meter.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Abies Framework. 5 x 5 cm	1813361	18,90			
Abies Framework. 5 x 10 cm	1813362	26,60			

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Sauna Accessories



1814011

Sauna Head Rest. Made of wood. Fixed and adjustable models are available.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Fixed Head Rest	**1814011**	**64,30**	1		
Adjustable Head Rest	**1814012**	**70,60**	1		



1814012



Model I



Model II

Sauna Clocks. Made of wood.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Hourglass, Model I	**1814021**	**30,90**	1		
Hourglass, Model II	**1814022**	**59,20**	1		



1814042



1814041

Sauna Wooden Bucket, Spoon, Brush. Made of wood.
Buckets needs to be keep with water in it.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Wooden Bucket, Model I	**1814031**	**62,50**	1		
Wooden Bucket, Model II	**1814032**	**63,00**	1		
Wooden Brush, with Removable Handle	**1814041**	**25,00**	1		
Wooden Spoon	**1814042**	**35,60**	1		



1814031



1814032





Wooden Hanger. For Sauna Entry.

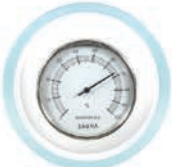
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Quintet Hanger	**1814051**	**17,00**	1		

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Sauna Accessories

Hygrometer - Thermometer. For humidity and temperature measurement inside the sauna.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Metallic Hygrometer-Thermometer, Combination	1814061	18,90	1		
Wooden Thermometer	1814062	26,60	1		
Wooden Hygrometer-Thermometer, Combination	1814063	32,70	1		
Wooden Hygrometer-Thermometer, Monoblock	1814064	49,60	1		



1814061



1814062



1814063



1814064

Sauna Perfumes. 250 ml.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Pinewood	1814091	27,00	1		
Eucalyptus	1814092	27,00	1		
Menthol	1814093	27,00	1		



Bucket Shower

Bucket Shower. Made of Kaballah Wood. Completely handcrafted design, with AISI 304 quality stainless steel console and solid wooden bucket.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Bucket Shower	181501	633,00	1		



Snow Fountain

Snow Fountain. It's designed for refresh the body with small ice parts after sauna sessions. You can take the ice parts from the bucket and apply to your body. This application enables the skin to be more tightened, fastens the blood stream and makes the immunity system stronger. This unique relaxing therapy lets not only the skin tightened, but also refreshes the body. It can be repeated several times according to demand. Snow fountain can be adjustable to different variaties. It does not include any chemicals, it is %100 natural. The usage and maintenance of system is very easy. Snow fountain is not inside the sauna cabin so this system can be used also by the guests who does not like the cold or has high blood pressure and cardiac disease. It's an alternative to snowroom. This system is designed with glassmosaics and/or wood materials.
Accessories; Iced Glass Bowl, Stainless Steel Chrome Snow-Ice drain mouth, Snow Level Detection Sensor.
The ice particulars which are produced by the system do not harm the skin during the skin exposure.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Snow Fountain, Complete with Accessories	181502	21.898,00	1		





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Steam Generators with Electric Heater



FL Series Steam Generator. Device protection when it is without water. High pressure protection, automatic water fill up and drainage. All models should be used with an external control panel. One remote control panel can operate 2, 3 or 4 pieces combined with steam generator. Generator feeding water should not be over 0-5 Fh(Fench Hardness) hardness level. Otherwise it will be out of warranty. Complete with safety valve.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
FL-45, 4,5 kW	182101	1.838,70			
FL-60, 6 kW	182102	1.974,70			
FL-90, 9 kW	182104	2.120,00			
FL-120, 12 kW	182105	2.207,00			
FL-150, 15 kW	182106	2.273,00			
FL-180, 18 kW	182107	2.510,00			



Control panels for steam generators with electric heater. The "Operating" light, steam room temperature display, working hour countdown, automatic disinfection function (ozone) can be obsevered outside the panel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
FAN-T, For 60/90 models	182201	197,00			
FAN-M, For 120/180 models	182202	225,00			





STEAMER STEAM GENERATORS WITH ELECTRODE.
The product is not negatively effected from hard water. Automatic water filling and drainage. Device can be adjusted gradually and operated to the max. 10 kW level. Elektrode and tanks are washed automatically. Can be operated automatic and manual. Phase protection exists on the device. Body electrostatic painted and Stainless Steel 304 Quality. 40 x 200 mm LCD Board is on the device enabling to observe all the control values. 3 functional key gives oppurtunity for manual operation, automatic operation and stopping the system and draining. All devices are used with external control panels. 3 steam generators can be combined and controlled by 1 piece remote control. 1 lt Lime Prodector included in price.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
EL1000-3, up to 18 kW	182111	197,00			
Lime Protector 1 liter	075311	225,00			



Control Panel for STEAMER Steam Generators with Electrode. Device is controlled with touch pad. The cabinet Lightning, ventilation and heating-steam function can be controlled separately with time clock trough the device. It can be programmed each week day separately. Same Control panel can control 3 pieces generators. Enables possibility to operate Monophase or Triphase. **It is not mandatory to be used with steam generator.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
ELKT1000	182211	2.184,00			

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Steam Room Accessory Equipments

Steam Nozzle.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Stainless Steel AISI 304	182301	56,00	1		
Plactic					

Steam Bath Door.
8 mm thick tempered glass. Aluminium hinge, plastic handle. 71,5x200x5,5 cm



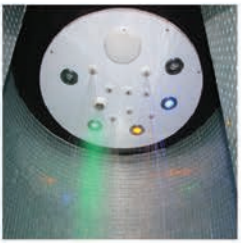
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	182401	681,00	1		

Steam Bath Door Handle. Made of plastic.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	1824011	63,00	1		

Adventure Shower



ADVENTURE SHOWER.
Adventure Showers enables different shower oppurtunities, with enriched special showerheads, cold and warm water with various intensities, refreshing fragrance dosing systems, rich light shows, thunder, nature sounds effects and featured sprays. Stimulates all the senses increases the feeling of relief and purifies. Easily maintained, operate without noise, easy assembly, 2 years spare parts warranty.

Types of Adventure Showers:

1- Tropical Storm Shower with 3 programs
2- Ocean Shower with 3 Programs
3- Polar Rain Shower with 2 Programs
4- Different Experience Shower with 2 Programs
5- Aroma Shower with 2 Programs
6- Fresh Aroma Shower with 2 Programs

All types include sound effects (mp3), perfumes dosing system, light effect system. Our Company can design different adventure showers according to demand. Different productions are possible such as , Multiple programs, different programs, different sound effects, adjustable program durations.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Adventure Shower with All inclusive Programs	183101	PAP			

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Prefabricated Construction Materials For SPA



Relaxation Beds. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of construction process, glass mosaics can be covered directly right after delivery.
920 x 700 x 1830 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	184101	PAP			



Steam Room Seats. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of construction process, glass mosaics can be covered directly right after delivery.
850 x 590 x 2000 mm.

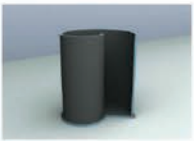
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	185101	PAP			



Rounded Shower Cabin. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of constructive process, glass mosaics can be covered directly right after delivery.
50 x 1020 x 2000 mm.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	186101	PAP			





Spiral Shower Cabin. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of constructive process, glass mosaics can be covered directly right after delivery.
50x1575x1950x2000 mm

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	186102	PAP			



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POOL & SPA

16 Fountain Nozzles & Footed or Staked - Underwater/Landscape Lights 311 338

Cascade Nozzles - Stainless Steel



161161



161121



Water level dependant foam-effect nozzles, should be operated under water level. Completely made of AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Cascade (50T) 1" Male threaded: Articulated. Ø 50 mm water column	**161161**	**83,00**	1		
Cascade (70T) 1 1/2" Female threaded: Articulated. Ø 75 mm water column	**161121**	**107,50**	1		
Cascade (90T) 2" Female threaded: Articulated. Ø 97 mm water column	**161131**	**121,40**	1		
Cascade (110T) 2 1/2" Female threaded: Articulated. Ø 117 mm water column	**161141**	**305,00**	1		
Cascade (130T) 3" Female threaded: Articulated. Ø 135 mm water column	**161151**	**374,50**	1		



161131



161151

Cascade Nozzles - Bronze



16115

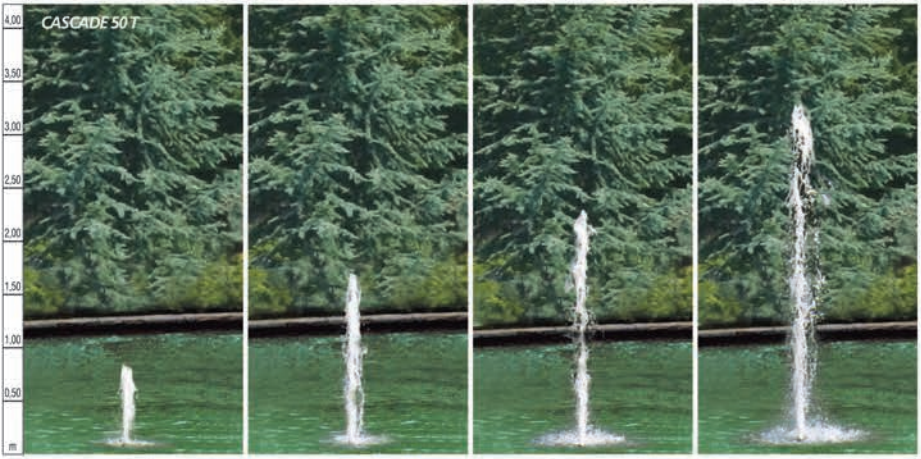
Water level dependant foam-effect nozzles, should be operated under water level. Completely made of bronze.

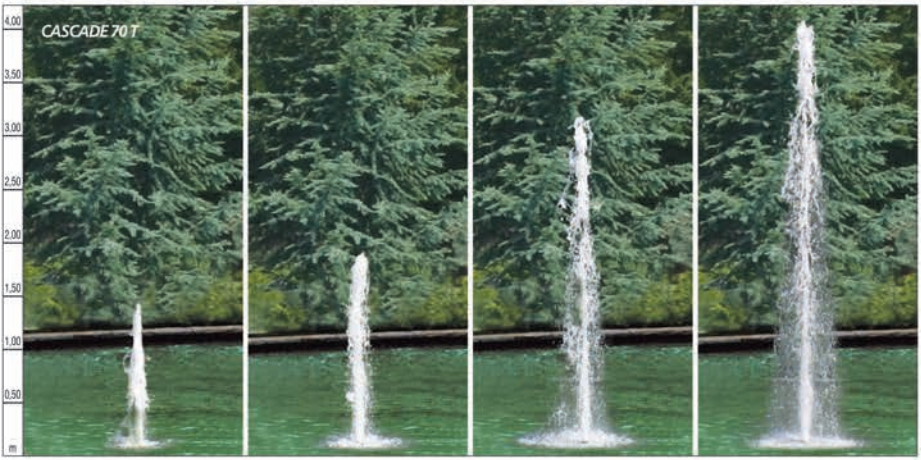
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Cascade (50T) 1" Male threaded: Articulated. Ø 50 mm water column	**16111**	**PAP**	1	0,722	0,0006
Cascade (70T) 1 1/2" Female threaded: Articulated. Ø 75 mm water column	**16112**	**PAP**	1	1,828	0,0015
Cascade (90T) 2" Female threaded: Articulated. Ø 97 mm water column	**16113**	**PAP**	1	2,346	0,0023
Cascade (110T) 2 1/2" Female threaded: Articulated. Ø 117 mm water column	**16114**	**PAP**	1	2,732	0,0045
Cascade (130T) 3" Female threaded: Articulated. Ø 135 mm water column	**16115**	**PAP**	1	14,194	0,0130

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Flow and Pressure Chart for Fountain Nozzles

Cascade Nozzles



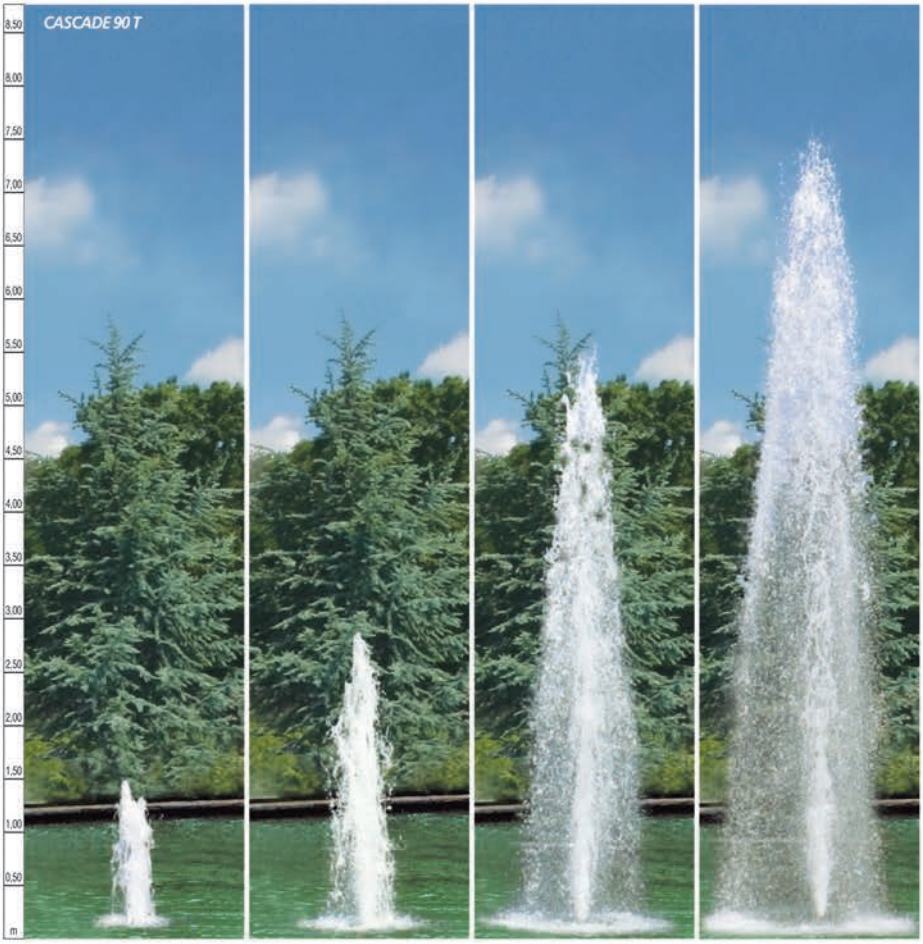


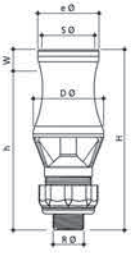
Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	CASCADE 50 T			CASCADE 70 T			CASCADE 90 T			CASCADE 110 T			CASCADE 130 T		
	Flow m³/h	Pressure requirement mSS	atm	Flow m³/h	Pressure requirement mSS	atm	Flow m³/h	Pressure requirement mSS	atm	Flow m³/h	Pressure requirement mSS	atm	Flow m³/h	Pressure requirement mSS	atm
0,25 m	1,37	1,1	0,11	2,62	0,8	0,08									
0,50 m	1,93	2,1	0,21	3,70	1,5	0,15	7,39	1,9	0,19						
0,75 m	2,36	3,2	0,32	4,54	2,3	0,23	8,59	2,6	0,26						
1,00 m	2,73	4,2	0,42	5,24	3,1	0,31	9,65	3,3	0,33	14,44	3,0	0,30	20,72	3,0	0,30
1,50 m	3,35	6,4	0,63	6,42	4,6	0,46	11,46	4,7	0,47	17,41	4,4	0,44	25,01	4,4	0,44
2,00 m	3,86	8,5	0,85	7,42	6,2	0,62	13,04	6,0	0,60	19,95	5,8	0,58	28,67	5,8	0,58
2,50 m	4,32	10,6	1,06	8,29	7,7	0,77	14,43	7,4	0,74	22,20	7,2	0,72	31,91	7,1	0,71
3,00 m	4,73	12,7	1,27	9,08	9,2	0,92	15,70	8,7	0,87	24,24	8,5	0,85	34,86	8,5	0,85
4,00 m	5,46	16,9	1,69	10,49	12,3	1,23	18,00	11,5	1,15	27,87	11,3	1,13	40,10	11,3	1,13
5,00 m				11,73	15,4	1,54	20,00	14,2	1,42	31,09	14,0	1,40	44,73	14,0	1,40
6,00 m				12,85	18,5	1,85	21,85	16,9	1,69	34,00	16,8	1,68	48,93	16,8	1,68
8,00 m							25,12	22,4	2,24	39,18	22,3	2,23	56,39	22,3	2,23
10,00 m							28,00	27,8	2,78	43,75	27,8	2,78	62,97	27,8	2,78
12,00 m										47,88	33,3	3,33	68,93	33,3	3,33
14,00 m										51,69	38,8	3,88	74,42	38,8	3,88
16,00 m													79,52	44,3	4,43
18,00 m													84,32	49,8	4,98
20,00 m													88,86	55,3	5,53

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Cascade Nozzles



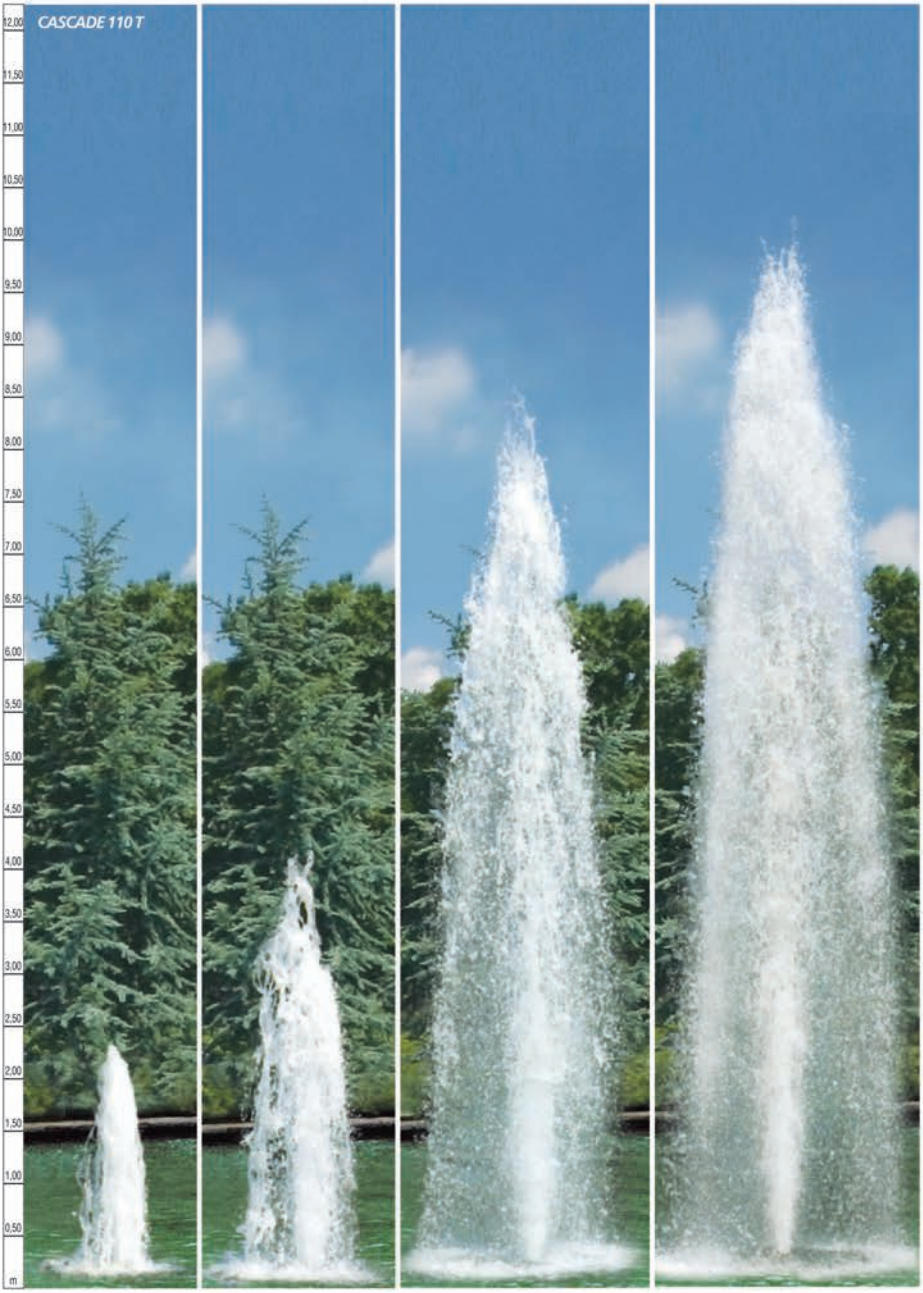


TECHNICAL CHARACTERISTICS

MODEL	50 T / 161111	70 T / 161121	90 T / 161131	110 T / 161141	130 T / 161151
S Ø (mm)	50	70	96	117	147
R Ø (mm)	32 (1")	40 (1 1/2")	50 (2")	65 (2 1/2)	80 (3")
D Ø (mm)	74	90	117	130	150
e Ø (mm)	63	82	110	120	150
H (mm)	190	240	283	240	330
h (mm)	170	215	253		
W (mm)	20	25	30		
WEIGHT (Kg)					

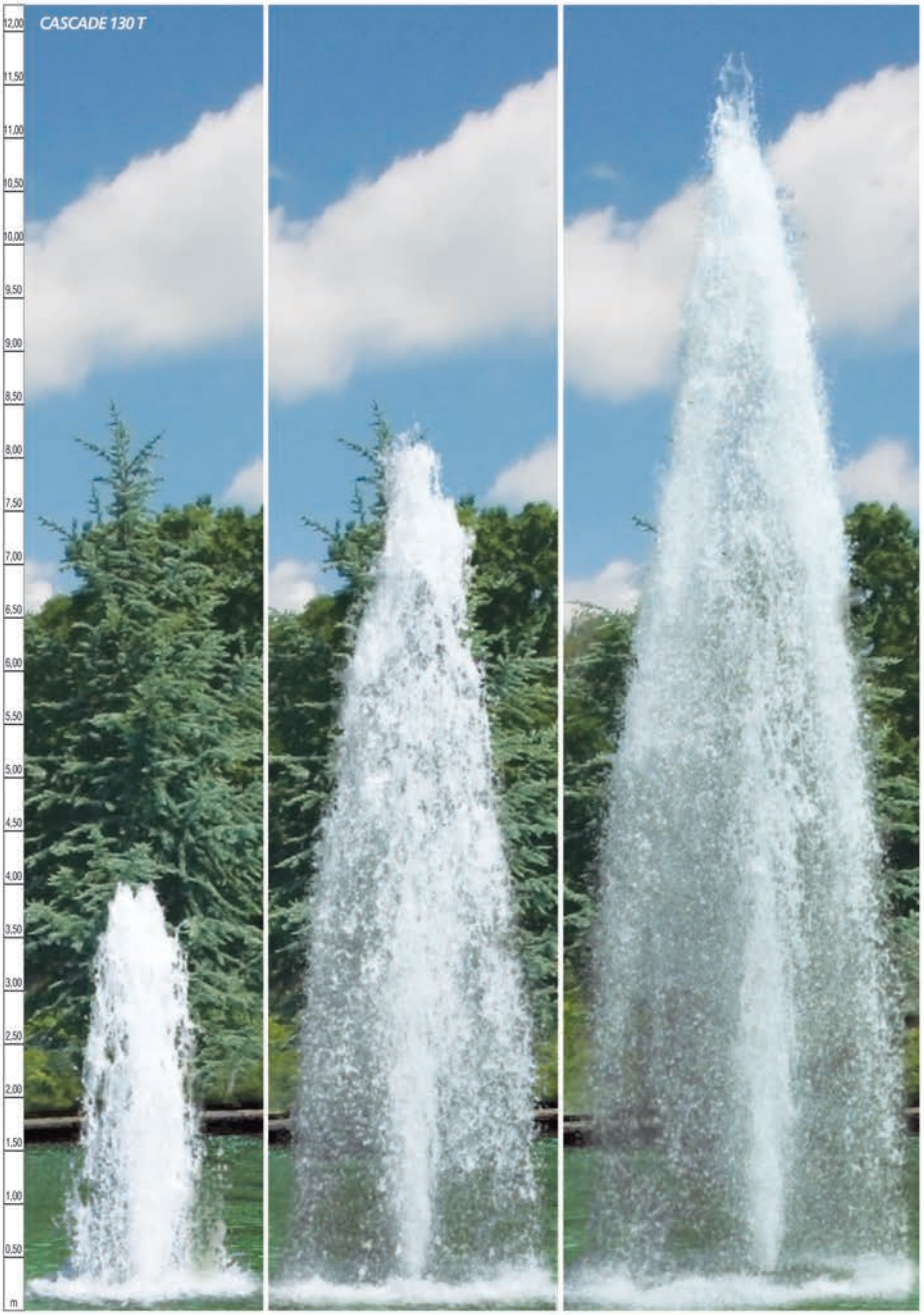
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Cascade Nozzles



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Cascade Nozzles



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Finger Nozzles - Bronze/Chrome plated

Made of bronze. Can be articulated up to 15°.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	**161211**	**24,80**	1	0,054	
Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	**161221**	**41,40**	1	0,086	
Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	**161222**	**41,40**	1	0,080	
Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	**161231**	**61,70**	1	0,246	



Finger Nozzles - Bronze/Chrome plated - Adjustable

Chrome plated bronze. Can be articulated up to 15°. Flow adjusting valve over fountain.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	**1612111**	**29,00**	1		
Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	**1612211**	**45,60**	1		
Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10,0 mm	**1612221**	**45,60**	1		
Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12,0 mm	**1612311**	**74,50**	1		



Finger Nozzles - Plastic/Chrome Plated - Adjustable

Chrome plated plastic. Can be articulated up to 15°. Flow adjusting valve over fountain.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	**161211PCR**	**15,20**	1		
Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	**161221PCR**	**20,70**	1		
Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	**161222PCR**	**20,70**	1		
Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	**161231PCR**	**26,90**	1		



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Finger Nozzles - Plastic/Golden Plated - Adjustable

Made of plastic. Can be articulated up to 15°. (Please add unit prices for footed models)



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded.	**161211PG**	**16,50**	1		
Water spray dia. Ø 6,0 mm					
Finger (5-8T) 1/2" Male Threaded.	**161221PG**	**20,70**	1		
Water spray dia. Ø 8 mm					
Finger (5-10T) 1/2" Male Threaded.	**161222PG**	**20,70**	1		
Water spray dia. Ø 10 mm					
Finger (10-12T) 1" Male Threaded.	**161231PG**	**26,80**	1		
Water spray dia. Ø 12 mm					

Finger Nozzles - Plastic/Chrome Plated - Adjustable

Made of plastic. Can be articulated up to 15°.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded.	**161211PC**	**13,00**	1		
Water spray dia. Ø 6,0 mm					
Finger (5-8T) 1/2" Male Threaded.	**161221PC**	**16,50**	1		
Water spray dia. Ø 8 mm					
Finger (5-10T) 1/2" Male Threaded.	**161222PC**	**16,50**	1		
Water spray dia. Ø 10 mm					
Finger (10-12T) 1" Male Threaded.	**161231PC**	**22,00**	1		
Water spray dia. Ø 12 mm					

Finger Nozzles - Plastic/Black

Made of plastic. Can be articulated up to 15°.

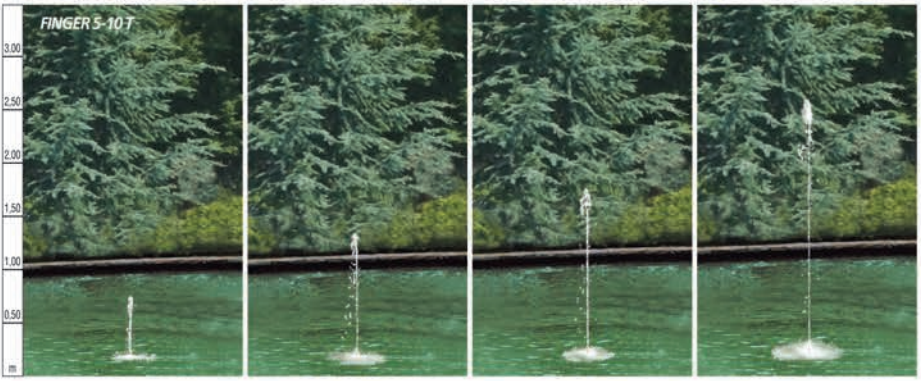


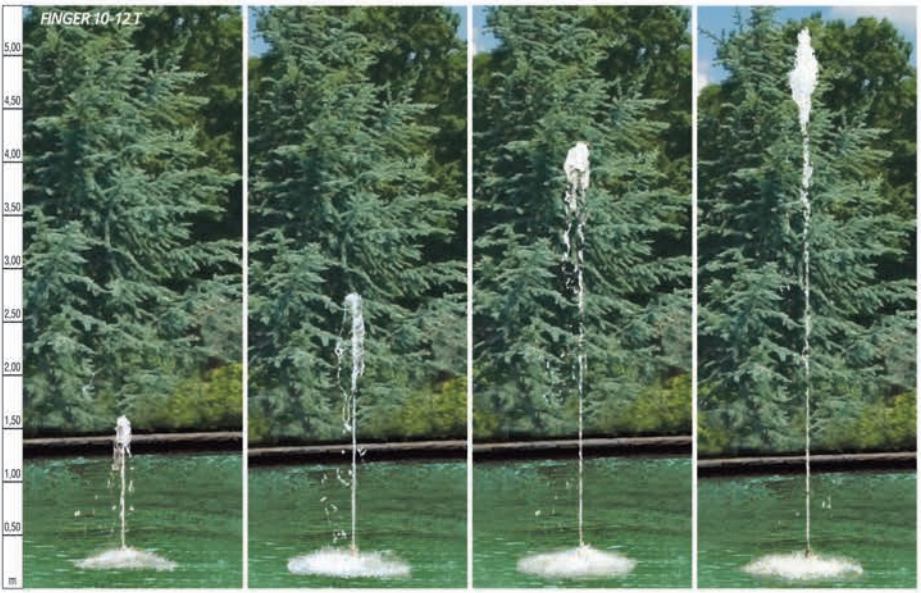
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger (3-6T) 3/8" Male Threaded.	**161211P**	**10,00**	1		
Water spray dia. Ø 6,0 mm					
Finger (5-8T) 1/2" Male Threaded.	**161221P**	**14,30**	1		
Water spray dia. Ø 8 mm					
Finger (5-10T) 1/2" Male Threaded.	**161222P**	**14,30**	1		
Water spray dia. Ø 10 mm					
Finger (10-12T) 1" Male Threaded.	**161231P**	**19,70**	1		
Water spray dia. Ø 12 mm					

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_Flow and Pressure Chart for Fountain Nozzles

Finger Nozzles





Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	FINGER 3-6 T			FINGER 5-8 T			FINGER 5-10 T			FINGER 10-12 T		
	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm
0,25 m	0,23	0,30	0,03	0,41	0,30	0,03	0,65	0,30	0,03			
0,50 m	0,33	0,60	0,06	0,59	0,60	0,06	0,92	0,60	0,06	1,32	0,60	0,06
0,75 m	0,40	0,90	0,09	0,72	0,90	0,09	1,13	0,90	0,09	1,63	0,90	0,09
1,00 m	0,47	1,20	0,12	0,84	1,20	0,12	1,31	1,20	0,12	1,89	1,20	0,12
1,25 m	0,53	1,51	0,15	0,94	1,51	0,15	1,47	1,51	0,15	2,12	1,51	0,15
1,50 m	0,58	1,81	0,18	1,04	1,81	0,18	1,62	1,81	0,18	2,33	1,81	0,18
2,00 m	0,68	2,42	0,24	1,21	2,42	0,24	1,88	2,42	0,24	2,72	2,42	0,24
2,50 m	0,76	3,03	0,30	1,36	3,03	0,30	2,13	3,03	0,30	3,06	3,03	0,30
3,00 m	0,84	3,64	0,36	1,50	3,64	0,36	2,35	3,64	0,36	3,38	3,64	0,36
4,00 m	0,99	4,88	0,49	1,76	4,88	0,49	2,76	4,88	0,49	3,97	4,88	0,49
5,00 m				2,00	6,12	0,61	3,13	6,12	0,61	4,51	6,12	0,61
6,00 m							3,48	7,37	0,74	5,01	7,37	0,74
8,00 m										5,96	9,91	0,99

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Geiser Nozzles - Stainless Steel



Water-level dependant foam-effect nozzles, should be operated under water level. Completely made in AISI 304 stainless steel and ABS plastic. Larger models (2 1/2" and 3") consist of threaded flange connection and massive stainless steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Geiser (20T) - 1" Male threaded: Water spray nozzle dia. Ø 20 mm	**161311**	**105,00**	1		
Geiser (40T) - 1 1/2" Female threaded: Water spray nozzle dia. Ø 40 mm	**161321**	**120,00**	1		
Geiser (60T) - 2" Female threaded: Water spray nozzle dia. Ø 60 mm	**161331**	**153,00**	1		
Geiser (80T) - 2 1/2" Female threaded: Water spray nozzle dia. Ø 80 mm	**161341**	**309,00**	1		
Geiser (100T) - 3" Female threaded: Water spray nozzle dia. Ø 100 mm	**161351**	**581,00**	1		





161321



161341

Geiser Nozzles - Bronze



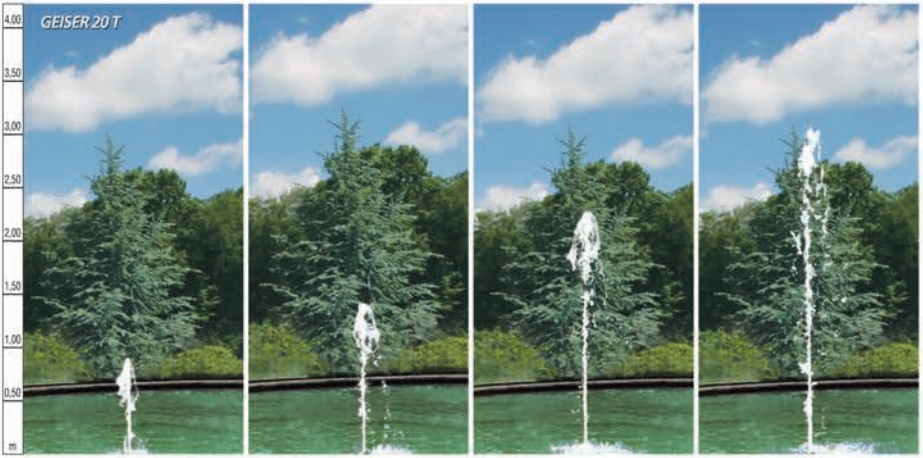
Water-level dependant foam-effect nozzles, should be operated under water level. Completely made in bronze.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Geiser (20T) - 1" Male threaded: Water spray nozzle dia. Ø 20 mm	**16131**	**PAP**	1	1,054	
Geiser (40T) - 1 1/2" Female threaded: Water spray nozzle dia. Ø 40 mm	**16132**	**PAP**	1	3,882	
Geiser (60T) - 2" Female threaded: Water spray nozzle dia. Ø 60 mm	**16133**	**PAP**	1	3,210	
Geiser (80T) - 2 1/2" Female threaded: Water spray nozzle dia. Ø 80 mm	**16134**	**PAP**	1	10,730	
Geiser (100T) - 3" Female threaded: Water spray nozzle dia. Ø 100 mm	**16135**	**PAP**	1	15,200	

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_Flow and Pressure Chart for Fountain Nozzles

Geiser Nozzles



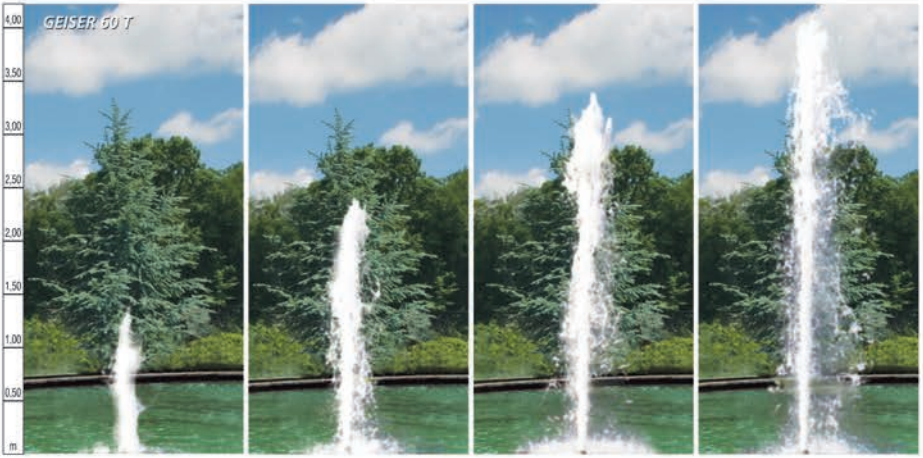


Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	GEISER 20 T			GEISER 40 T			GEISER 60 T			GEISER 80 T			GEISER 100 T		
	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm
0,50 m	1,83	1,9	0,19	4,05	1,8	0,18	7,90	2,2	0,22						
0,75 m	2,07	2,4	0,24	4,60	2,4	0,24	8,88	2,8	0,28						
1,00 m	2,28	3,0	0,30	5,08	2,9	0,29	9,78	3,4	0,34	15,62	3,5	0,35			
1,50 m	2,66	4,0	0,40	5,94	4,0	0,40	11,36	4,6	0,46	18,57	5,0	0,50			
2,00 m	3,00	5,1	0,51	6,68	5,0	0,50	12,74	5,8	0,58	21,10	6,5	0,65	31,14	6,8	0,68
2,50 m	3,29	6,2	0,62	7,35	6,1	0,61	13,98	6,9	0,69	23,37	7,9	0,79	34,00	8,1	0,81
3,00 m	3,57	7,2	0,72	7,97	7,1	0,71	15,12	8,1	0,81	25,44	9,4	0,94	36,62	9,4	0,94
4,00 m	4,06	9,4	0,94	9,08	9,2	0,92	17,19	10,5	1,05	29,13	12,3	1,23	41,39	12,0	1,20
5,00 m	4,50	11,5	1,15	10,06	11,3	1,13	19,03	12,8	1,28	32,41	15,2	1,52	45,66	14,6	1,46
6,00 m	4,90	13,6	1,36	10,96	13,5	1,35	20,70	15,2	1,52	35,38	18,2	1,82	49,56	17,2	1,72
8,00 m				12,56	17,7	1,77	23,70	19,9	1,99	40,68	24,0	2,40	56,52	22,4	2,24
10,00 m				13,98	21,9	2,19	26,37	24,6	2,46	45,37	29,9	2,99	62,79	27,6	2,76
12,50 m							29,36	30,5	3,05	50,62	37,2	3,72	69,80	34,1	3,41
15,00 m							32,07	36,4	3,64	55,37	44,5	4,45	76,16	40,6	4,06
17,50 m										59,75	51,8	5,18	82,04	47,1	4,71
20,00 m										63,83	59,1	5,91	87,51	53,6	5,36
25,00 m													97,55	66,6	6,66
30,00 m													106,65	79,6	7,96

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Geiser Nozzles





TECHNICAL CHARACTERISTICS

MODEL	20 T / 161311	40 T / 161321	60 T / 161331	80 T / 161341	100 T / 161351
S Ø (mm)	23	45	60	80	100
R Ø (mm)	32 (1")	40 (1 1/2")	50 (2")	65(2 1/2")	80 (3")
D Ø (mm)	74	92	117	230	165
e Ø (mm)	61	81	107	120	150
H (mm)	207	277	325	250	330
h (mm)	176	217	246	240	310
W (mm)	31	60	80	10	20
WEIGHT (Kg)					

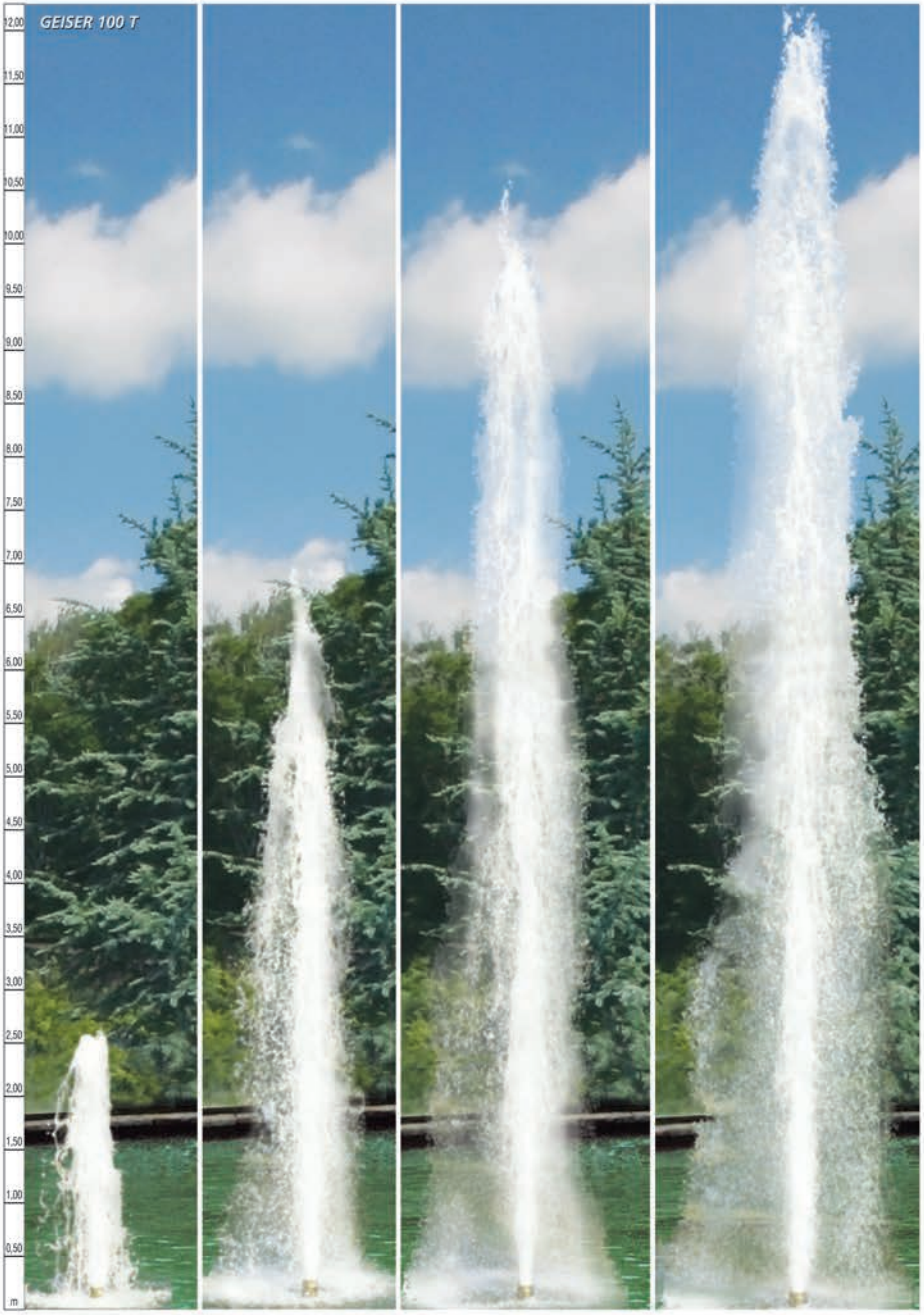
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Geiser Nozzles



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Geiser Nozzles



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Water Fan Nozzle

"Water Fan Nozzle" Made of Stainless Steel.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Water Fan Nozzle (115 - 15T), 1"	**161111**	**269,50**	1	1,798	0,002
Duck Mouth, 1"	**161113**	**269,50**	1		
Duck Mouth, 1 1/2"	**161114**	**311,00**	1		



Finger Jet Nozzle

"Finger Water Fan Nozzle" Made of Stainless Steel. Distributes the water with 60° angle from Ø 4,0 mm water jet. 1" male threaded connection.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Finger Water Fan (13 - 4T). 13 Mouth	**1611121**	**350,00**	1	2,814	0,003
Finger Water Fan (25 - 4T). 25 Mouth	**1611122**	**434,30**	1	2,868	0,003
Big Type Finger Water Fan (6 - 8T)	**1611123**	**450,00**			



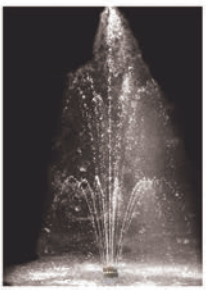
Volkan Nozzles

Creates a water pattern consisting of a series of jets which rise in one or more steps.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Volkan (43 - 3T) 1"	**16143P**	**53,00**	1	-	-
Male threaded : Made in plastic.					
Volkan (19 - 3T) 1"	**16142**	**141,40**	1	1,118	0,0008
Male threaded : Water spray hole dia.					
Ø 3 mm x 19 pcs.					
Volkan (43 - 3T) 1"	**16143**	**287,00**	1	1,160	0,0008
Male threaded : Water spray hole dia.					
Ø 3 mm x 43 pcs.					
Volkan (200/19 - 6T) 2"	**16144**	**700,00**	1	4,154	0,0034
Male threaded : Consists of 1 x Ø 10					
mm + 18 x Ø 6 mm finger nozzle					
Ditto, Made of golden plated plastic	**16144P**	**662,00**	1		
finger jets.					
Volkan (300/19 - 8T) 2 1/2" Male	**16145**	**1.280,00**	1	9,250	
threaded : Consists of 1 x Ø 12 mm					
+ 18 x Ø 8 mm finger nozzle					



VOLKAN 200/19 - 6 T



VOLKAN 300/19 - 8 T





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Water Bell Nozzles



Made in stainless steel. Adjustable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
30T : H= 30 cm 1" Male threaded.	**161621**	**146,00**	1	1,040	0,001
40T : Height = 40 cm 1" Male threaded.	**161622**	**185,40**	1	1,316	0,001
60T : H= 60 cm 1" Male threaded.	**161523**	**240,00**	1	1,538	0,002
30TP : H= 30 cm and can be extended. 1/2" Male threaded. Made in plastic.	**16161P**	**33,00**	1	0,148	0,001

Water Sphere Nozzles



127 Arms made in stainless steel are fitted on the central bronze sphere. Stands on a stainlessssteel pivot.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Water Sphere Nozzle 1500, Ø 1500 mm	**161101**	**10.806,00**	1		
Water Sphere Nozzle 2500, Ø 2500 mm	**161102**	**14.465,00**	1		
Half a sphere of water 1500, Ø 1500 mm	**161103**	**9.886,00**	1		
Half a sphere of water 2500, Ø 2500 mm	**161104**	**12.762,00**	1		

Valves for Nozzle Adjustment



Chrome plated bronze. Female threaded nozzle side and male threaded pipe connection side.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1/2"	**16201**	**38,00**	1		
3/4"	**16202**	**45,50**	1		
1"	**16203**	**54,00**	1		
1 1/2"	**16204**	**101,00**	1		
2"	**16205**	**146,00**	1		

Nozzle Joint

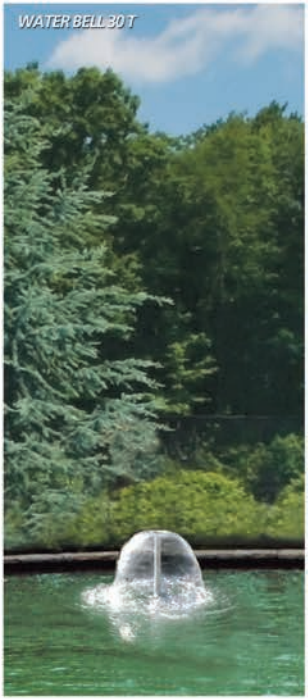


Female threaded nozzle side and male threaded pipe connection side.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
1" Plastic	**16301**	**16,50**			
1 1/2" Plastic	**16302**	**20,90**			
1" with Stainless Steel Nut	**16303**	**24,00**			
1 1/2" with Stainless Steel Nut	**16304**	**29,00**			

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Water Bell Nozzles





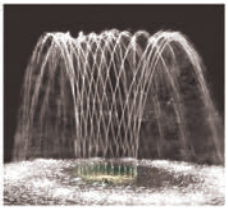


Flow and Pressure Indicators According to Nozzles Squirt Height

Bell Diameter	WATER BELL 30 T			WATER BELL 45 T			WATER BELL 60 T		
	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm
0,15 m									
0,20 m									
0,30 m	2,10	1,1	0,11						
0,40 m	2,58	1,3	0,13	2,58	1,4	0,14			
0,50 m	3,06	1,6	0,16	3,06	1,7	0,17	2,58		
0,60 m	3,54	2,0	0,20	3,54	2,1	0,21	3,06		
0,70 m	4,02	2,5	0,25	4,02	2,6	0,26	3,54		
0,90 m				4,50	3,2	0,32	4,02		
1,10 m							4,50	2,1	0,21
1,30 m							4,98	2,4	0,24
1,50 m								2,8	0,28

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Water Star Nozzles



Made in bronze. O.D. Ø 750 mm. Water spray nozzle Ø 4 mm. Connection: 1 1/2"

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
12 / K3 - 4 / 750T with 12 arms	**16101**	**845,00**	1		
18 / K3 - 4 / 750T with 18 arms	**16102**	**996,00**	1		
24 / K3 - 4 / 750T with 24 arms	**16103**	**1.147,00**	1		



Plastic Water Star. Made of 36 pieces of 3/8" plastic finger jets. Dia Ø 1000 mm, water jet Ø 4,0 mm, connection 1 1/2".

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Plastic Water Star Nozzle 1000	**16104**	**489,00**	1	4,184	0,106

Water Pirouette Nozzle



Made in bronze. Effect is created by rotation.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
(M7 - 5T) 1/2" Male threaded	**16191**	**368,00**		1,846	0,046
(M7 - 10T) 1" Male threaded	**16192**	**467,00**	1		

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Water Bell Nozzles







Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	WATER STAR 12 / K3-4 / 750 T			WATER STAR 18 / K3-4 / 750 T			WATER STAR 24 / K3-4 / 750 T		
	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm	Flow m^3/h	Pressure requirement m / h	atm
0,50 m	1,79	0,7	0,07	2,69	0,7	0,07	3,60	0,9	0,09
0,75 m	2,22	1,1	0,11	3,33	1,1	0,11	4,47	1,4	0,14
1,00 m	2,60	1,4	0,14	3,90	1,4	0,14	5,24	1,8	0,18
1,25 m	2,94	1,8	0,18	4,40	1,8	0,18	5,93	2,3	0,23
1,50 m	3,25	2,1	0,21	4,88	2,1	0,21	6,59	2,7	0,27
1,75 m	3,55	2,5	0,25	5,32	2,5	0,25	7,20	3,2	0,32
2,00 m	3,84	2,9	0,29	5,75	2,9	0,29	7,80	3,6	0,36
2,50 m	4,11	3,2	0,32	6,17	3,2	0,32	8,36	4,1	0,41
3,00 m	4,38	3,6	0,36	6,56	3,6	0,36	8,93	4,5	0,45
3,50 m	4,89	4,3	0,43	7,33	4,3	0,43	10,00	5,4	0,54
4,00 m	5,39	5,0	0,50	8,07	5,0	0,50	11,04	6,4	0,64
4,50 m	5,86	5,8	0,58	8,79	5,8	0,58	12,05	7,3	0,73

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Spring Nozzles



Foam effect nozzle to be operated above the water level. Completely made in plastic and stainless steel. (Only model of 75-20T is stainless steel + bronze)

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Spring (35 - 10E) 1" Male threaded: Water spray dia. Ø 32 mm. Adjustable.	**161521**	**60,00**	1	0,684	0,0004
Spring (55 - 10E) 1" Male threaded: Water spray dia. Ø 50 mm. Adjustable.	**161522**	**79,00**	1	1,282	0,0008
Spring (55 - 15E) 1 1/2" Male threaded: Water spray dia. Ø 50 mm. Adjustable.	**16153**	**79,00**	1	1,306	0,0008
Spring (75 - 20T) 2" Male threaded: Water spray dia. Ø 75 mm. Adjustable.	**16154**	**375,00**	1	2,742	0,0020





161521



16153



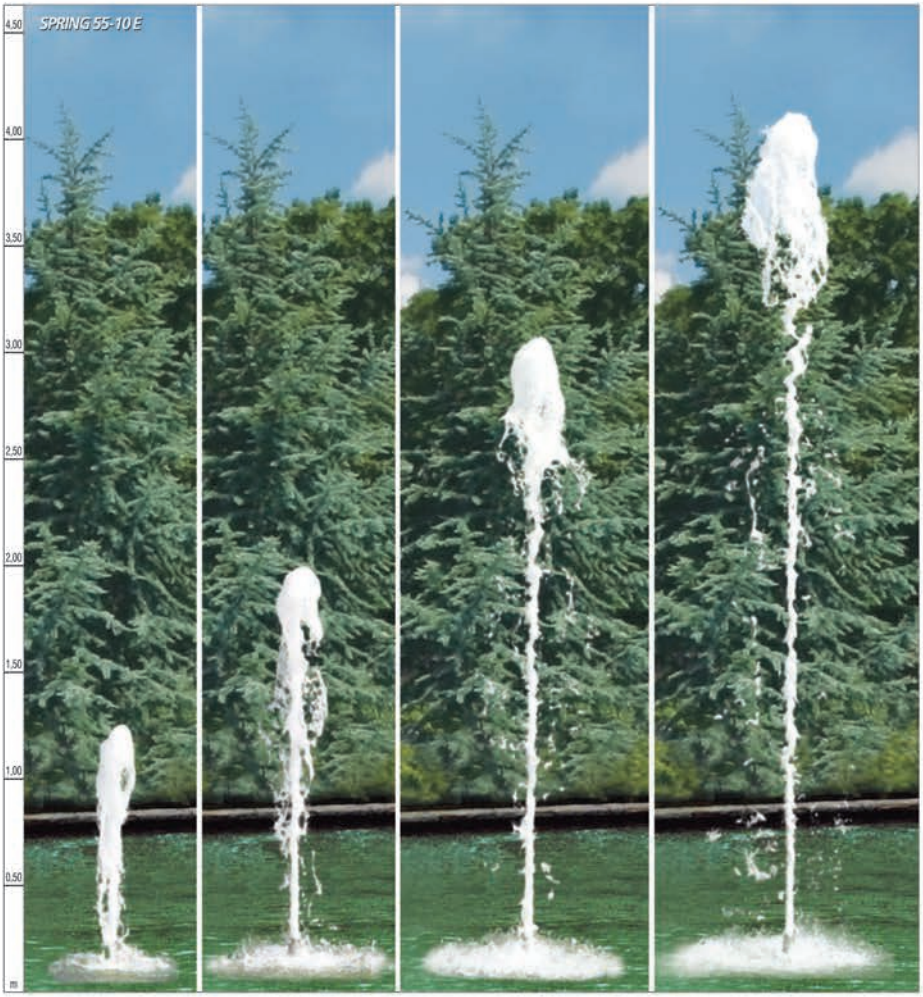
TECHNICAL CHARACTERISTICS

MODEL	35 - 10E	55 - 10E	55 - 15E	75 - 20T
S Ø (mm)	50	72	72	80
R Ø (mm)	32 (1")	32 (1")	40 (1 1/2")	50 (2")
D Ø (mm)	58	79	79	100
e Ø (mm)	32,50	50	50	66
H (mm)	153	178	180	240
WEIGHT (Kg)				



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Spring Nozzles



Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	SPRING 35-10 E			SPRING 55-10 E			SPRING 55-15 E			SPRING 75-20 T		
	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm	Flow m³/h	Pressure requirement m / h	atm
0,25 m	2,33	0,7	0,07									
0,50 m	3,29	1,5	0,15	4,85	2,0	0,20	4,85	1,3	0,13	13,23	0,9	0,09
0,75 m	4,03	2,2	0,22	5,95	2,9	0,29	5,95	1,9	0,19	16,25	1,3	0,13
1,00 m	4,65	2,9	0,29	6,89	3,9	0,39	6,89	2,5	0,25	18,81	1,8	0,18
1,25 m	5,21	3,6	0,36	7,72	4,9	0,49	7,72	3,1	0,31	21,08	2,2	0,22
1,50 m	5,70	4,4	0,44	8,48	5,9	0,59	8,48	3,8	0,38	23,15	2,6	0,26
2,00 m	6,58	5,8	0,58	9,84	7,8	0,78	9,84	5,0	0,50	26,86	3,5	0,35
2,50 m				11,05	9,8	0,98	11,05	6,3	0,63	30,17	4,4	0,44
3,00 m							12,17	7,5	0,75	33,21	5,3	0,53
4,00 m							14,18	10,1	1,01	38,70	7,1	0,71
5,00 m							16,00	12,6	1,26	43,67	8,9	0,89
6,00 m							17,69	15,2	1,52	48,27	10,7	1,07

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Spring Nozzles



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Decorative Wall Nozzles

GEMAS Wall Nozzles. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Small Lionhead, Antique Copper	1122411	247,00	1		
Large Lionhead, Antique Copper	1122421	294,00	1		
Plain Bowl Waterfall, Antique Copper	1122431	325,00	1		
Slotted Bowl Waterfall, Antique Copper	1122241	325,00	1		
Snail, Antique Copper	1122251	202,00	1		
Antique Badge, Antique Copper	1122261	155,00	1		









Small Lionhead, Antique Copper



Large Lionhead, Antique Copper



Plain Bowl Waterfall



Plain Bowl Waterfall, Antique Copper



Slotted Bowl Waterfall, Antique Copper



Snail Antique Copper



Antique Badge

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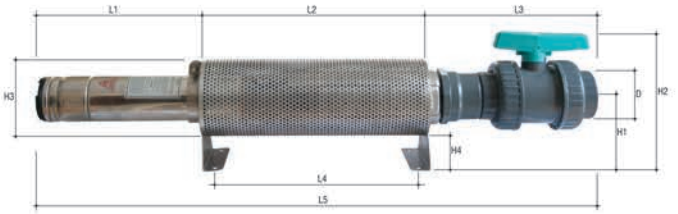
Submersible Pumps for Fountains



High pressure - High Flow Submersible deepwell pumps: Such pumps with below technical spects are made of stainless steel (AISI 304) including its fan being capable of working long time by minimum maintenance thanks to the stainless steel pre-filter. All pumps are complete with a ball or butterfly valve suitable to their connection diameter. Low profile of pumps provide usage in shallow ornamental pools. Easy to be fixed to side nozzle collectors and nozzles saving significantly from laborious and expensive pipe installation. It's vitally important to take precautions in control panels of pumps against electric leakage. All pump models are manufactured upon customer's order. Delivery time is approximately 15 days. Please ask quotation for AISI 316 quality pumps.

TECHNICAL CHARACTERISTICS

Step	*Stainless Steel (AISI 304), Optional (AISI 316)*
Fan	*Stainless Steel (AISI 304), Optional (AISI 316)*
Pump shaft	*X22 CrNi 17*
Step rubber	*Nitrile Rubber*
Filter	*Stainless Steel (AISI 304), Optional (AISI 316)*
Pump suction adapter	*Stainless Steel (AISI 304), Optional (AISI 316)*
Pump Output Connection	*Stainless Steel (AISI 304), Optional (AISI 316)*
Throttle	*Stainless Steel (AISI 304), Optional (AISI 316)*
Max. Sand Amount	*50 gr/m³*
Max. departure p	*20 (kal/s)*
Frequency	*50 Hz*
Max. working noise	*70 dB <*
Class of motor protection	*IP 68*
Motor Body	*Stainless Steel (AISI 304)*
Max Water Temperature	*40°C*
Motor Rotation Direction	*Anti-clockwise direction*
Speed	*2900 speed/min.*



PUMP TYPE	DIMENSIONS (mm)									
	Ø D	L1	L2	L3	L4	L5	H1	H2	H3	H4
GMD-CR14-E2/05	2"	435	500	183	470	1168	200	301	200	100
GMD-CR17-A1,5/02	2"	289	500	183	470	1022	200	301	200	100
GMD-CR30-B03/02	3"	405	500	264	470	1219	200	337	200	100
GMD-CR30-B04/03	3"	565	600	264	570	1379	200	337	200	100
GMD-CR30-B05/04	3"	530	700	264	670	1544	200	337	200	100
GMD-CR46-C04/02	4"	399	600	414	570	1463	200	350	200	100
GMD-CR46-C07/03	4"	540	600	414	570	1604	250	400	300	100
GMD-CR60-D03/01	4"	425	500	414	470	1289	200	350	200	100
GMD-CR77-E07/01	5"	482	600	380	570	1512	250	480	300	100
GMD-CR77-E10/02	5"	560	700	380	670	1690	250	480	300	100
GMD-CR135-G10/01-1	6"	536	700	408	670	1694	250	498	300	100
GMD-CR135-G10/01	6"	516	700	408	670	1674	250	498	300	100
GMD-CR135-G25/02-1	6"	712	900	408	870	2100	250	498	300	100

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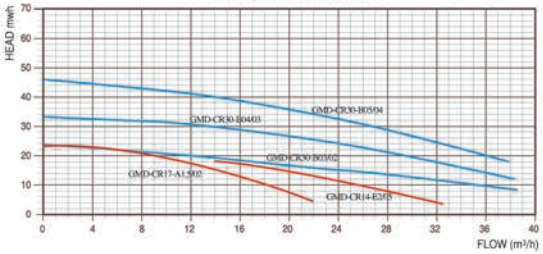
Submersible Pumps for Fountains

GEMAS Wall Nozzles. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
GMD-CR14-E2/05M - 2 HP Mono.	**1631201M**	**1.266,00**	1	**20,000**	
GMD-CR14-E2/05 - 2 HP Tri.	**1631201**	**1.266,00**	1	**18,000**	
GMD-CR17-A1,5/02 - 1,5 HP Tri.	**1631211**	**1.119,00**	1	**17,100**	
GMD-CR30-B03/02 - 3 HP Tri.	**1631224**	**1.382,00**	1	**21,600**	
GMD-CR30-B04/03 - 4 HP Tri.	**1631225**	**1.670,00**	1	**26,400**	
GMD-CR30-B05/04 - 5,5 HP Tri.	**1631223**	**1.997,00**	1	**30,800**	



PERFORMANCE CURVES





PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh											
				II	III	4	6	8	10	12	14	16	17	18	20	21	23
		HP	KW	220 V	380 V	FLOW m³/h											
GMD-CR14-E2/05	5	2	1,5	11,50	4,00	32,00	31,00	29,00	28,00	25,00	23,00	18,00	16,50	14,00	-	-	-
GMD-CR17-A1,5/02	2	1,5	1,1	-	3,00	-	-	19,80	18,00	16,20	14,40	13,50	12,60	10,80	9,00	7,20	-
GMD-CR30-B03/02	2	3	2,2	-	5,00	-	-	38,50	36,00	31,00	28,80	22,00	21,60	18,00	14,40	10,80	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh									
				II	III	14	18	21	24	26	28	29	31	32	34
		HP	KW	220 V	380 V	FLOW m³/h									
GMD-CR30-B04/03	3	4	3		7,00	36,00	32,40	28,80	25,20	21,60	18,00	14,40	10,80	7,20	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh									
				II	III	20	25	28	32	34	37	39	41	43	45
		HP	KW	220 V	380 V	FLOW m³/h									
GMD-CR30-B05/04	4	5,5	4		9,00	36,00	32,40	28,80	25,20	21,60	18,00	14,40	10,80	7,20	-

PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)						WEIGHT (Kg)		
			A	B	ØC	D	E	ØF	Pump	Motor	Total Weight
GMD-CR14-E2/05M	G095MC/02-M	220	985	510	95	2" *11 dış	475	96	6,000	14,000	20,000
GMD-CR14-E2/05	G095MC/02-T	380	955	510	95	2" *11 dış	445	96	6,000	12,000	18,000
GMD-CR17-A1,5/02	G095MC/1,5-T	380	839	414	95	3" *11 dış	415	134	6,100	11,000	17,100
GMD-CR30-B03/02	G095MC/03-T	380	955	480	95	3" *11 dış	475	135	6,600	15,000	21,600
GMD-CR30-B04/03	G 095MC/04-T	380	1115	575	95	3" *11 dış	540	135	8,700	18,000	26,400
GMD-CR30-B05/04	G 095MC/05-T	380	1280	670	95	3" *11 dış	610	135	10,800	20,000	30,800

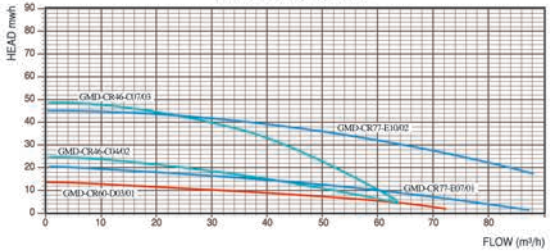
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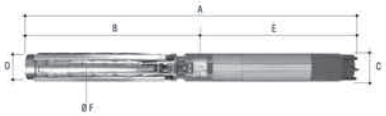
Submersible Pumps for Fountains



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
GMD-CR46-C04/02 - 4 HP Tri.	**1631231**	**1.592,00**	1	**25,150**	
GMD-CR60-D03/01 - 3 HP Tri.	**1631241**	**1.297,00**	1	**53,500**	
GMD-CR77-E07/01 - 7,5 HP Tri.	**1631251**	**3.465,00**	1	**21,200**	
GMD-CR46-C07/03 - 7,5 HP Tri.	**1631232**	**2.310,00**	1	**61,000**	
GMD-CR77-E10/02 - 10 HP Tri.	**1631252**	**3.888,00**	1	**70,000**	

PERFORMANCE CURVES





PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh											
				II	III	4	5	9	10	12	15	16	18	19	20	22	25
		HP	KW	220 V	380 V	FLOW m³/h											
GMD-CR46-C04/02	2	4	3	-	5,00	-	-	54,00	52,00	48,00	43,20	39,60	36,00	26,00	28,80	18,00	-
GMD-CR60-D03/01	1	3	2,2	-	5,80	64,80	61,20	46,80	43,20	18,00	-	-	-	-	-	-	-
GMD-CR77-E07/01	1	7,5	5,5	-	12,00	-	79,20	68,40	62,00	61,20	54,00	36,00	24,00	18,00	-	-	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh								
				II	III	17	24	27	30	33	36	40	45	48
		HP	KW	220 V	380 V	FLOW m³/h								
GMD-CR46-C07/03	3	7,5	5,5		7,00	54,00	50,50	46,80	43,20	39,60	36,00	28,80	18,00	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh								
				II	III	23	27	28	29	30	33	35	42	44	47
		HP	KW	220 V	380 V	FLOW m³/h									
GMD-CR77-E10/02	2	10,00	7,5		18,00	79,20	72,00	68,40	64,80	61,20	57,60	54,00	36,00	18,00	-

PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)						WEIGHT (Kg)		
			A	B	ØC	D	E	ØF	Pump	Motor	Total Weight
GMD-CR46-C04/02	G 095MC/04	380	1049	509	95	3"-4" *11 diş	540	145	8,650	16,500	25,150
GMD-CR46-C07/03	G 145MC/07	380	1190	620	145	3"-4" *11 diş	570	145	11,500	42,000	53,500
GMD-CR60-D03/01	G0 95MC/03-T	380	875	400	95	2"-4" *11 diş	475	145	6,200	15,000	21,200
GMD-CR77-E07/01	G 145MC/07	380	1132	562	145	5" *11 diş	570	171	19,000	42,000	61,000
GMD-CR77-E10/02	G 145MC/10	380	1310	690	145	5" *11 diş	620	171	23,000	47,000	70,000

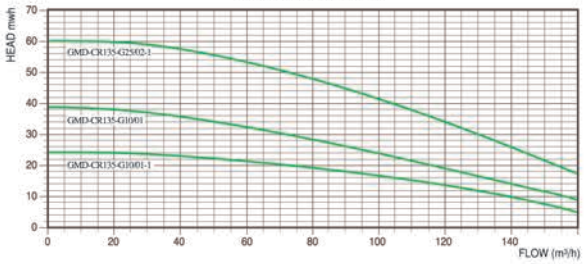
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Submersible Pumps for Fountains

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
GMD-CR135-G10/01-1 -10 HP Tri.	**1631261**	**4.446,00**	1	**78,000**	
GMD-CR135-G15/01-15 HP Tri.	**1631262**	**4.716,00**	1	**89,000**	
GMD-CR135-G25/02-1 -25 HP Tri.	**1631263**	**5.670,00**	1	**114,000**	



PERFORMANCE CURVES





PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh								
				II	III	7	8	13	16	17	18	19	23	24
		HP	KW	220 V	380 V	FLOW m³/h								
GMD-CR135-G10/01-1	1	10	7,5		16,00	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh								
				II	III	11	17	20	22	24	27	28	36	39
		HP	KW	220 V	380 V	FLOW m³/h								
GMD-CR135-G10/01	1	15	11		23,50	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		HEAD mwh								
				II	III	21	26	32	39	43	47	50	58	59
		HP	KW	220 V	380 V	FLOW m³/h								
GMD-CR135-G25/02-1	2	25	18,5		40	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-

PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)						WEIGHT (Kg)		
			A	B	ØC	D	E	ØF	Pump	Motor	Total Weight
GMD-CR135-G10/01-1	G 145MC/10	380	1286	666	145	6" *11 dış	620	210	31,000	47,000	78,000
GMD-CR135-G15/01	G 145MC/15	380	1366	666	145	6" *11 dış	700	210	31,000	58,000	89,000
GMD-CR135-G25/02-1	G 145MC/25	380	1692	822	145	6" *11 dış	870	210	38,000	76,000	114,000

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Plastic Body-Footed or Staked-Underwater/Landscape Lights



"Spot 14" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or stake type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - Footed 23 W	**1651140**	**45,80**	1		
72 LED Daylight - Footed 23 W	**1651141**	**45,80**	1		
72 LED Turquoise - Footed 20 W	**1651142**	**50,60**	1		
72 LED Blue - Footed 20 W	**1651145**	**50,60**	1		
72 LED Red - Footed 20 W	**1651144**	**50,60**	1		
72 LED Green - Footed 20 W	**1651143**	**50,60**	1		
72 LED White - Staked 23 W	**1651140K**	**45,80**	1		
72 LED Daylight - Staked 23 W	**1651141K**	**45,80**	1		
72 LED Turquoise - Staked 20 W	**1651142K**	**50,60**	1		
72 LED Blue - Staked 20 W	**1651143K**	**50,60**	1		
72 LED Red - Staked 20 W	**1651144K**	**50,60**	1		
72 LED Green - Staked 20 W	**1651145K**	**50,60**	1		



"Spot 14" Fountain Underwater Light, RGB Color.
Designed for fountains and landscape lighting. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On-Off or remote control. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in - Footed 20 W	**1651150**	**88,40**	1		
72 LED RGB - Central Integrated-Footed 20 W	**1651151**	**53,00**	1		
72 LED RGB - Built-in - Staked 20 W	**1651150K**	**88,40**	1		
72 LED RGB - Central Integrated-Staked 20 W	**1651151K**	**53,00**	1		

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St. Steel Body-Footed or Staked-Underwater/Landscape Lights

"Spot 14" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting. Stainless steel frame. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - Footed 23 W	**1651140S**	**45,80**	1		
72 LED Daylight - Footed 23 W	**1651141S**	**45,80**	1		
72 LED Turquoise - Footed 20 W	**1651142S**	**50,60**	1		
72 LED Blue - Footed 20 W	**1651143S**	**50,60**	1		
72 LED Red - Footed 20 W	**1651144S**	**50,60**	1		
72 LED Green - Footed 20 W	**1651145S**	**50,60**	1		
72 LED White - Staked 23 W	**1651140KS**	**45,80**	1		
72 LED Daylight - Staked 23 W	**1651141KS**	**45,80**	1		
72 LED Turquoise - Staked 20 W	**1651142KS**	**50,60**	1		
72 LED Blue - Staked 20 W	**1651143KS**	**50,60**	1		
72 LED Red - Staked 20 W	**1651144KS**	**50,60**	1		
72 LED Green - Staked 20 W	**1651145KS**	**50,60**	1		



"Spot 14" Underwater Ornamental Light, RGB Color.
Designed for fountains and landscape lighting. Stainless steel frame. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On-Off or remote control. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in - Footed 20 W	**1651150S**	**88,40**	1		
72 LED RGB - Central Integrated-Footed 20 W	**1651151S**	**53,00**	1		
72 LED RGB - Built-in - Staked 20 W	**1651150KS**	**88,40**	1		
72 LED RGB - Central Integrated-Staked 20 W	**1651151KS**	**53,00**	1		

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Plastic Body-Footed or Staked-Underwater/Landscape Lights





"Spot 10" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or stake type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - Footed 10 W	**1651160**	**45,80**	1		
72 LED Daylight - Footed 10 W	**1651161**	**45,80**	1		
72 LED Turquoise - Footed 8 W	**1651162**	**50,60**	1		
72 LED Blue - Footed 8 W	**1651163**	**50,60**	1		
72 LED Red - Footed 8 W	**1651164**	**50,60**	1		
72 LED Green - Footed 8 W	**1651165**	**50,60**	1		
72 LED White - Staked 10 W	**1651160K**	**45,80**	1		
72 LED Daylight - Staked 10 W	**1651161K**	**45,80**	1		
72 LED Turquoise - Staked 8 W	**1651162K**	**50,60**	1		
72 LED Blue - Staked 8 W	**1651163K**	**50,60**	1		
72 LED Red - Staked 8 W	**1651164K**	**50,60**	1		
72 LED Green - Staked 8 W	**1651165K**	**50,60**	1		

"Spot 10" Fountain Underwater Light, RGB Color.
Designed for fountains and landscape lighting. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On-Off or remote control. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in - Footed 10 W	**1651170**	**88,40**	1		
72 LED RGB - Central Integrated-Footed 10 W	**1651171**	**53,00**	1		
72 LED RGB - Built-in - Staked 10 W	**1651170K**	**88,40**	1		
72 LED RGB - Central Integrated-Staked 10 W	**1651171K**	**53,00**	1		





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St. Steel Body-Footed or Staked-Underwater/Landscape Lights

"Spot 10" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting. Stainless steel frame. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

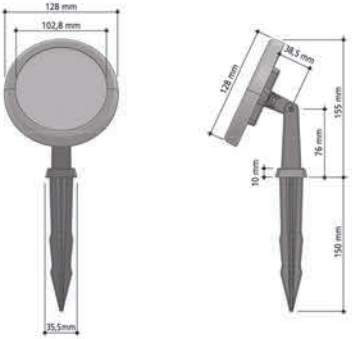


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED White - Footed 10 W	**1651160S**	**45,80**	1		
72 LED Daylight - Footed 10 W	**1651161S**	**45,80**	1		
72 LED Turquoise - Footed 8 W	**1651162S**	**50,60**	1		
72 LED Blue - Footed 8 W	**1651163S**	**50,60**	1		
72 LED Red - Footed 8 W	**1651164S**	**50,60**	1		
72 LED Green - Footed 8 W	**1651165S**	**50,60**	1		
72 LED White - Staked 10 W	**1651160KS**	**45,80**	1		
72 LED Daylight - Staked 10 W	**1651161KS**	**45,80**	1		
72 LED Turquoise - Staked 8 W	**1651162KS**	**50,60**	1		
72 LED Blue - Staked 8 W	**1651163KS**	**50,60**	1		
72 LED Red - Staked 8 W	**1651164KS**	**50,60**	1		
72 LED Green - Staked 8 W	**1651165KS**	**50,60**	1		



"Spot 10" Underwater Ornamental Light, RGB Color.
Designed for fountains and landscape lighting. Stainless steel frame. 72 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On-Off or remote control. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
72 LED RGB - Built-in - Footed 10 W	**1651170S**	**88,40**	1		
72 LED RGB - Central Integrated-Footed 10 W	**1651171S**	**53,00**	1		
72 LED RGB - Built-in - Staked 10 W	**1651170KS**	**88,40**	1		
72 LED RGB - Central Integrated-Staked 10 W	**1651171KS**	**53,00**	1		



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Plastic Body-Footed or Staked-Underwater/Landscape Lights



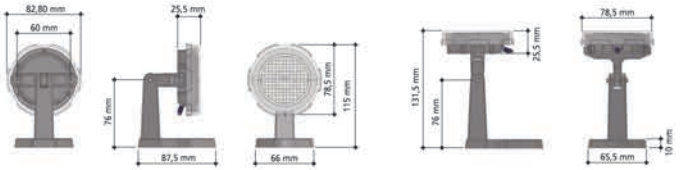
"Spot 11" Underwater Ornamental Light, Single Color. Designed for fountains and landscape lighting. 36 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED (3528) White - Footed 6 W	**1651180**	**44,50**	1		
36 LED (3528) Daylight - Footed 6 W	**1651181**	**44,50**	1		
36 LED (3528) Turquoise - Footed 4 W	**1651182**	**49,10**	1		
36 LED (3528) Blue - Footed 4 W	**1651183**	**49,10**	1		
36 LED (3528) Red - Footed 4 W	**1651184**	**49,10**	1		
36 LED (3528) Green - Footed 4 W	**1651185**	**49,10**	1		
36 LED (3528) White - Staked 6 W	**1651180K**	**44,50**	1		
36 LED (3528) Daylight - Staked 6 W	**1651181K**	**44,50**	1		
36 LED (3528) Turquoise - Staked 4 W	**1651182K**	**49,10**	1		
36 LED (3528) Blue - Staked 4 W	**1651183K**	**49,10**	1		
36 LED (3528) Red - Staked 4 W	**1651184K**	**49,10**	1		
36 LED (3528) Green - Staked 4 W	**1651185K**	**49,10**	1		



"Spot 11" Underwater Ornamental Light, RGB Color. Designed for fountains and landscape lighting. 36 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On- Off or remote control. 120 ° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED (2835) RGB - Built-in - Footed 4 W	**1651190**	**83,20**	1		
36 LED (2835) RGB - Central Integrated-Footed 4 W	**1651191**	**51,50**	1		
36 LED (2835) RGB - Built-in - Staked 4 W	**1651190K**	**83,20**	1		
36 LED (2835) RGB - Central Integrated-Staked 4 W	**1651191K**	**51,50**	1		



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St. Steel Body-Footed or Staked-Underwater/Landscape Lights

"Spot 11" Underwater Ornamental Light, Single Color. Designed for fountains and landscape lighting. Stainless steel frame. 36 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

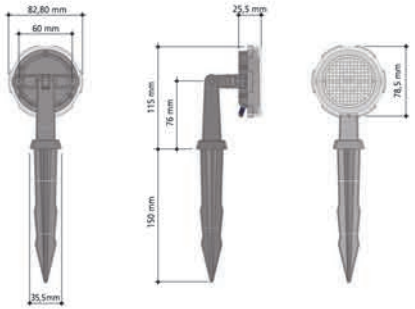


Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED (3528) White - Footed 6 W	**1651180S**	**62,70**	1		
36 LED (3528) Daylight - Footed 6 W	**1651181S**	**62,70**	1		
36 LED (3528) Turquoise - Footed 4 W	**1651182S**	**62,70**	1		
36 LED (3528) Blue - Footed 4 W	**1651183S**	**62,70**	1		
36 LED (3528) Red - Footed 4 W	**1651184S**	**62,70**	1		
36 LED (3528) Green - Footed 4 W	**1651185S**	**62,70**	1		
36 LED (3528) White - Staked 6 W	**1651180KS**	**62,70**	1		
36 LED (3528) Daylight - Staked 6 W	**1651181KS**	**62,70**	1		
36 LED (3528) Turquoise - Staked 4 W	**1651182KS**	**62,70**	1		
36 LED (3528) Blue - Staked 4 W	**1651183KS**	**62,70**	1		
36 LED (3528) Red - Staked 4 W	**1651184KS**	**62,70**	1		
36 LED (3528) Green - Staked 4 W	**1651185KS**	**62,70**	1		



"Spot 11" Underwater Ornamental Light, RGB Color. Designed for fountains and landscape lighting. Stainless steel frame. 36 SMD LEDs; complete with polycarbonate bulb body, epoxy PCB and 1.0 m long 2 x 0.75 cable. Mounting foot or Staked type. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On-Off or remote control. 120° - IP68. The light can be used as a replacement bulb for LED conversion in all PAR38 bulb products available on the market. **The product is patented.**

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
36 LED (2835) RGB - Built-in - Footed 4 W	**1651190S**	**91,40**	1		
36 LED (2835) RGB - Central Integrated-Footed 4 W	**1651191S**	**62,80**	1		
36 LED (2835) RGB - Built-in - Staked 4 W	**1651190KS**	**91,40**	1		
36 LED (2835) RGB - Central Integrated-Staked 4 W	**1651191KS**	**62,80**	1		



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St. Steel Body - St. Steel Footed Underwater Lights



"SPOT 12" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting.Stainless steel lamp body with 3 Power LEDs; It is complete with 1.0 m long 2 x 0.75 cable.Light beam angle is 30°.The lamp complies with IP68 degree of protection at a nominal depth of 2 m.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 Power LED White - AISI 304 - 9 W	**16631SF**	**62,00**	1		
3 Power LED Daylight - AISI 304 - 9 W	**16633SF**	**62,00**	1		
3 Power LED Blue - AISI 304 - 6 W	**16637SF**	**59,00**	1		

If AISI 316 of the above lamps is requested, the code "01" should be added next to the existing code. Prices should be considered with a 20% increase.

"SPOT 12" Underwater Ornamental Light, RGB Color.
Designed for fountains and landscape lighting.Stainless steel lamp body with 3 Power LEDs; It is complete with 1.0 m long 2 x 0.75 cable.RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Light beam angle is 30°.The lamp complies with IP68 degree of protection at a nominal depth of 2 m.

Description	Code	List Price Euro	Pieces/ box	Weight Kg
3 Power LED RGB -Built-in-AISI 304 - 6 W	**16635SF**	**74,00**	1	
3 Power LED RGB -Central Integrated -AISI 304 - 6 W	**16636SF**	**66,00**	1	

If AISI 316 of the above lamps is requested, the code "01" should be added next to the existing code. Prices should be considered with a 20% increase.

"SPOT 12" Underwater Ornamental Light Foots.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
AISI 304 Quality Lamp Foot + Body Connection Set	**1663003**	**74,00**	1		
AISI 316 Quality Lamp Foot + Body Connection Set	**1663002**	**66,00**	1		

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St. Steel Body - St. Steel Footed Underwater Lights

"SPOT 13" Underwater Ornamental Light, Single Color.
Designed for fountains and landscape lighting.Stainless steel lamp body with 6 Power LEDs; It is complete with 1.0 m long 2 x 0.75 cable.Light beam angle is 30°.The lamp complies with IP68 degree of protection at a nominal depth of 2 m.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
6 Power LED White - AISI 304 - 15 W	**16651SF**	**80,00**	1		
6 Power LED Daylight - AISI 304- 15 W	**16653SF**	**80,00**	1		
6 Power LED Blue - AISI 304 - 13 W	**16657SF**	**80,00**	1		

If AISI 316 of the above lamps is requested, the code "01" should be added next to the existing code. Prices should be considered with a 20% increase.

"SPOT 13" Underwater Ornamental Light, RGB Color.
Designed for fountains and landscape lighting.Stainless steel lamp body with 6 Power LEDs; It is complete with 1.0 m long 2 x 0.75 cable.RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Light beam angle is 30°.The lamp complies with IP68 degree of protection at a nominal depth of 2 m.

Description	Code	List Price Euro	Pieces/ box	Weight Kg
6 Power LED RGB -Built-in-AISI 304- 13 W	**16655SF**	**130,00**	1	
6 Power LED RGB -Central Integrated-AISI 304 - 13 W	**16656SF**	**114,00**	1	

If AISI 316 of the above lamps is requested, the code "01" should be added next to the existing code. Prices should be considered with a 20% increase.

"SPOT 13" Underwater Ornamental Light Foots.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
AISI 304 Quality Lamp Foot + Body Connection Set	**1665002**	**10,00**	1		
AISI 316 Quality Lamp Foot + Body Connection Set	**1665002SS**	**13,00**	1		

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Stainless Steel Body - Underwater Lights



"Microchrome" Pool Water Lighting Lamp Monochrome
Made of AISI 304 quality stainless steel. Pipe type. Complete with special transparent resin filled, epoxy PCB and 1 m long 2 x 1.5 cable. A tight fit is mounted inside a 32 mm PN10 pipe. 2 years sealing guarantee. "01" should be added next to AISI 316 Stainless Steel codes. Prices should be considered with a 20% increase.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 LED White - 3W	**16670**	**59,00**	1		
3 LED Daylight - 3W	**16671**	**59,00**	1		
3 LED Turquoise - 3W	**16672**	**59,00**	1		
3 LED Blue - 3W	**16673**	**59,00**	1		
3 LED Red - 3W	**16674**	**59,00**	1		
3 LED Green - 3W	**16675**	**59,00**	1		
3 LED White - 3W	**1667001**	**74.00**	1		
3 LED Daylight - 3W	**1667101**	**74.00**	1		
3 LED Turquoise - 3W	**1667201**	**74.00**	1		
3 LED Blue - 3W	**1667301**	**74.00**	1		
3 LED Red - 3W	**1667401**	**74.00**	1		
3 LED Green - 3W	**1667501**	**74.00**	1		

"Microchrome" Pool Water Lighting Lamp RGB
Made of AISI 304 quality stainless steel. Pipe type. Complete with special transparent resin filled, epoxy PCB and 1 m long 2 x 1.5 cable. A tight fit is mounted inside a 32 mm PN10 pipe. 2 years sealing guarantee. "01" should be added next to AISI 316 Stainless Steel codes. Prices should be considered with a 20% increase. RGB 13 different light patterns for built-in models, RGB 16 light patterns for central integrated models. Switch from program to program with On- Off or remote control.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
3 LED RGB - Built-in - Control 3 W	**16676**	**59,00**	1		
3 LED RGB - Central Control 3 W	**16677**	**59,00**	1		
3 LED RGB - Built-in - Control 3 W	**1667601**	**74.00**	1		
3 LED RGB - Central Control 3 W	**1667701**	**74.00**	1		

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Plastic Body - Footed Underwater Lights

"SPOT 01". PAR 38, 150 W or 120 W / 24 V plastic body, footed fountain light. Double cable outlets. Colored lens can be adapted.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
	05021	44,00	1		
Ditto, with Stainless Steel Frame	05021SF	72,00	1		

"SPOT 01". Rainbow 126 PAR 38 RGB LED bulb, plastic body, footed fountain light. Central PCB. Double cable union.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
RGB 5 mm Round LED-126 pcs	160211	80,00	1		
Ditto, with Stainless Steel Frame	160211SF	109,00	1		

"SPOT 01". Rainbow 9 PAR 38 RGB Power LED bulb, plastic body, footed fountain light. Central PCB. Double cable union. Including lens.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
RGB Power LED-9 pcs	160212	91,00	1		
Ditto, with Stainless Steel Frame	160212SF	119,00	1		

Ps: Regarding control panel and other options of RGB LED fountain lights, please see Section 5; "PAR 38 LED Bulbs"

"SPOT 02". 50 W/12 V refractory exclusive plastic body, footed fountain light.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Single cable union. Outlet at back.	05022	42,00	4		
Ditto, Stainless Steel Frame	05022C	125,00	4		

"SPOT 02". Rainbow 36 PAR 38 RGB LED bulb, plastic body, footed fountain light. Central PCB.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Single cable union. Outlet at back.	160221	70,00	4		
Ditto, Stainless Steel Frame	160221C	137,00	4		

Ps: Regarding control panel and other options of RGB LED fountain lights, please see Section 5; "Mini LED Bulbs"

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Stainless Steel Body - Footed Underwater Lights



"SPOT 06". Rainbow RGB Power LED bulb, AISI 304 quality stainless steel body, plastic footed fountain light. **Single cable union.** Outlet at back. Central control. With 50 cm Cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 9, 9 power LED	**16433**	**135,00**	1		
Rainbow 12, 12 power LED	**16434**	**143,00**	1		
Stainless Steel Foot is optionel					



"SPOT 07". Rainbow RGB Power LED bulb, AISI 304 quality stainless steel body, plastic footed fountain light. Single cable union. Outlet at back. Central control. With 50 cm Cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Rainbow 15, 15 power LED	**16435**	**158,00**	1		
Rainbow 18, 18 power LED	**16436**	**244,00**	1		
Stainless Steel Foot is optionel					

Stainless Steel Body- Underwater Lights with Fountain Nozzles



"SPOT 05". Underwater light to be coupled with fountain nozzles. 304 quality stainless steel body and single union. 15° light angle with Power LED. Different Adaptors are used for different size nozzles (for exp. 1", 1 1/2", 2"). For this reason nozzles diameter should be mentioned during the order. (Nozzles are NOT included to the price). 13 different light models are avaliable and are controled by a Central Control Panel. With 50 cm 4 x 15 Cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
12 Power LED	**16531SS**	**225,00**	1		
18 Power LE	**16532SS**	**245,00**	1		



"SPOT 06-K". Underwater light coupled with Finger fountain nozzle. 304 quality stainless steel body and single union. Nozzle (Ø10 mm) bottom connection is with swivel system and regulation valve (1/2" or 1"). 15° light angle with Power LED. 13 different light models are avaliable and are controled by a Central Control Panel. With 50 cm 4 x 15 Cable.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
6 Power LED, 1/2"	**16432F1**	**206,00**	1		
6 Power LED, 1"	**16432F2**	**206,00**	1		
9 Power LED, 1/2"	**16433F1**	**292,00**	1		
9 Power LED, 1"	**16433F2**	**292,00**	1		

Ps: 1- Regarding control panel and other options of RGB LED fountain light, please have a look at relevant section to "RGB LED Bulbs Control Panels"
2- All the lights mentioned above can be produced "Double Union" according to demand. And can be connected serial.
3- All the lights mentioned above can be 1, 1,5 and 2 m cable length. Please ask price.

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Stainless Steel Body - Underwater Lights for Fountains

"SPOT 09-K". Underwater light combined with fountain nozzles. 304 quality stainless steel body and single union. Also nozzle (Ø10 mm) bottom connection is with swivel system and regulation valve (1/2" or 1"). 15° light angle with Power LED. 13 different light models are available and controlled by a Central Control Panel. With 50 m cable.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
9 Power LED, With 1" Fountain	**16433F3**	**319,00**	1		

Stainless Steel Pool Light Foots

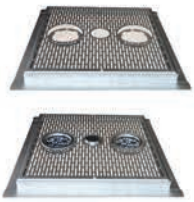
Adjustable for all type stainless steel body underwater lights.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Single	**16431Y015**	**21,00**	1		
Double	**16431Y025**	**29,00**	1		

Dry Pool Systems

Dry surface fountain desgined on a bunker walking floor grade made out concrete or polyester and dimensions light combinations 304 quality stainless steel. Dismountable cover and frame. Light housings are designed for SPOT 6 . Fountain port is for fountains max. 2". Different designs can be done according to demand.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
300 x 300 mm	**16433DF1**	**394,00**	1		
400 x 400 mm	**16433DF2**	**450,00**	1		
500 x 500 mm	**16433DF3**	**488,00**	1		

Ps: 1- Regarding control panel and other options of RGB LED fountain light, please have a look at relevant section (5th) to "RGB LED Bulbs Control Panels"
2- All the lights mentioned above can be produced "Double Union" according to demand. And can be connected serial.
3- All the lights mentioned above can be 1, 1,5 and 2 m cable length. Please ask price.

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POOL OF THE MONTH

Skimmer Liner Pool Ladders





GEMAS Embedded Liner Pool Ladder. Made of FR polyester and reinforced with wood. Complete with Connection Flange and PVC concealing flange. Anti-slip steps.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
l: 227 cm w: 152 cm h: 151,5 cm	**17401**	**2.442,00**	1		
For oval pools. Massage or counter current system can be mounted.					
l: 184 cm w: 106 cm h: 104,5 cm	**17402**	**1.985,00**	1		
For rectengular pools.					
Ladder with massage chair (pls see side page)	**17403**	**2.845,00**	1		
l: 184 cm w: 106 cm h: 104,5 cm					







- 2 x Massage Station
- 1 x Counter current



- Ladder with massage chair
- Composite Deck

PVC Liner Repair Kit



Liner Repair Kit. 30 ml. Can be used for underwater repairs.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
	17211	**26,00**		0,116	

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In-Pool Insulation Materials

Gemas In-Pool Isolation Material. Used for leak proofing in swimming pools and fountains. Fully elastic, UV filtered, cement added, two-compound waterproofing.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Gemas PL207, 10 kg Liquid+20 kg Powder - Gray	17310		1	30,000	
Gemas PL207, 10 kg Liquid+20 kg Powder - White	17311	65,00	1	30,000	

Gemas Joint Tape and Adhesive. Used for closing static capillary cracks and joins between the pool wall and floor. Tape size 0.20 x 100 m. Prices are per roll. Adhesive average consumption 1.65 - 2.75 kg/m^2

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Gemas Joint Tape	17312	37,00	4		
Gemas PL05N-01 Adhesive, 10 kg	17313	53,00	1	10,000	
Gemas PL05N-01 Adhesive, 20 kg	17314	88,00	1	20,000	

Gemas Concrete Waterproofing Primer. Used as primer before painting on reinforced concrete and screed. Average consumption is 8000 - 1000 gr/m^2.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Gemas PL302, 20 kg Liquid+6 kg Powder	17315	54,00	1	26,000	

Gemas Shock Water Breaker Concrete Admixture. Used for stopping pressurized water leaking. Consumption changes according to the surface condition, application thickness, loss such as spillage and cavity filling against water leaks. It is recommended to make trial mixes for optimum mixing ratio, workability and setting time. For wet system shotcrete, it is recommended to use between 3% and 6% of the weight of the binder for 20 cm thick layers.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Gemas BK03, 1 kg	17316	5,20	1	1,000	
Gemas BK03, 5 kg	17317	13,00	1	5,000	

Pool Paints

Gemas Pool Paint. Used in natural swimming pools, fountains, thermal pools (up to max. 70° temperatures), fish breeding pools, drinking water tanks, ponds, dams, water channels, water tanks. Consumption varies according to surface condition, application thickness, spillage and void conditions. 200 gr/m^2 on the first floor, 200 gr/m^2 on the second floor. On reinforced concrete surfaces, waterproofing is applied after the primer coat.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Gemas Pool Paint, 20 kg	17318	106,00	1	20,000	

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Porcelain Pool Handle and Antislip



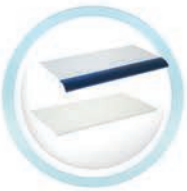
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
12,2 x 24,5 x 2 cm Handle	1711AP	PAP			
12,2 x 24,5 x 0,9 cm Antislip	1712AP	PAP			
24,5 x 24,5 x 2 cm Square Handle	1714P	PAP			
12 x 12 cm Handle Internal Corner	1711CI1	PAP			
24,5 x 24,5 cm Square Handle	17141	PAP			
24,5 x 24,5 cm Handle Internal Corner	1714CI1	PAP			
12 x 12 x 0,9 cm Antislip Internal Corner	1711C01	PAP			
12 x 12 cm Handle External Corner	1714	PAP			
24,5 x 24,5 cm Handle External Corner	1714C01	PAP			
12 x 12 x 0,9 cm Antislip External Corner	1712C01	PAP			



Porcelain Pool Handle and Antislip - Striped Design



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
12,2 x 24,5 x 2 cm Handle	1711A	PAP		11,050	0,008
12,2 x 24,5 x 1,5 cm Antislip	1712	PAP		12,840	0,008
12,2 x 24,5 x 0,8 cm Stair-Step Antislip	1713	PAP		12,696	0,007
12,2 x 24,5 x 0,8 cm Antislip	1712A	PAP		9,346	0,007
24,5 x 24,5 x 2 cm Square Handle	1714	PAP			
24,5 x 24,5 x 0,8 cm Square Antislip	1715	PAP			
Handle Internal Corner (for 1711)	1711CI	PAP		11,376	0,008
Handle External Corner (for 1711)	1711CO	PAP		11,376	0,008
Antislip Internal Corner (for 1712)	1712CI	PAP		10,100	0,008
Antislip External Corner (for 1712)	1712CO	PAP		10,100	0,008
Handle Internal Corner (for 1714)	1714CI	PAP			
Handle External Corner (for 1714)	1714CO	PAP			
Antislip Corner (for 1715)	1715C	PAP			



1713 - 1712A



1714 - 1715



1711CO - 1712CO

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Glass Mosaics

GEMAS GLASS MOSAICS.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
KSMS-01 Sprayed Turquoise 38 x 38 cm	17062	PAP			
KSMS-01 Sprayed Blue 38 x 38 cm	17061	PAP			
KSMS-01 Sprayed Turquoise 25 x 25 cm	17041	PAP			
KSMS-02 Sprayed Blue 25 x 25 cm	17031	PAP			
MIX-13 Mix Blue 25 x 25 cm	17011	PAP			
MIX-15 Mix Blue + White 25 x 25 cm	17051	PAP			

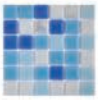

38 x 38 KSMS-01


38 x 38 KSMS-02


25 x 25 KSMS-01


25 x 25 KSMS-02


25 x 25 MIX-13


25 x 25 MIX-15

Leakproofing Meterials

"Fix a leak" leakproofing chemical. Prevents leakage on the body or mechanical installation of filled pools. No matter what construction material of pool or massage pool is, it can be used successfully with installation materials such as PVC, ABS, poly plastics, copper, steel etc. A single bottle of "fix a leak" is efficient per 100 m^3 pool. Minimum volume of water that a full bottle can be implemented is 2 m^3. If a more concentrated implementation is required, pool should be drained after the implementation process. Please request usage instructions for further details.



Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
FIX A LEAK Leakproofing Chemical	17301	87,50	1	1,300	



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PVC Membrane Pool Coating



8273 Antislip Blue



8272 Antislip Blue

Coating Membrane: 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Can be implemented in every type of pools by using equipments of a liner pool. Sold per 25 m roll. Price per m².

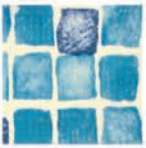
Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
8273 Blue-Width: 1,65 m	17201	43,20			
8272 Light blue-Width: 1,65 m	17202	43,20			
Snapir 102 Mosaic pattern-Width: 1,65 m	17203	39,90			
Galit 103 Marble pattern-Width: 1,65 m	17204	39,90			
8273 Antislip blue-Width: 1,60 m	17205	48,00			
8272 Antislip blue-Width: 1,60 m	17206	48,00			



8273 Blue



8272 Light blue



Snapir 102



Galit 103

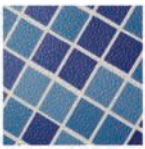
PS: Colour of above pictures may differ from original products.

Economic PVC Membrane: 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Can be implemented in every type of pools by using equipments of a liner pool. Sold per 25 m roll. Price per m².

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m³
Eco Blue - Width: 1,65/2,00 m	17201E	37,70			
Square Mosaic - Width: 1,65/2,00 m	17207	37,80			
Rome Mosaic - Width: 1,65/2,00 m	17203E	37,80			
Water Pattern - Width: 1,65/2,00 m	17208	37,80			



Eco Blue



Square Mosaic



Rome Mosaic



Water Pattern

PS: Colour of above pictures may differ from original products.

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PVC Membrane Pool Coating

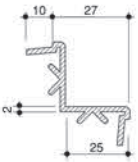
PVC laminated Stainless sheet. PVC laminated Stainless sheet with dimensions of 2 x 1 m. Used as a detection strip in PVC membrane covered pools.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Blue - price per piece	17214	PAP	1		
PVC special conduit side profile (m)	03752	9,75			











Overflow Detailed

Liquid PVC - 1 l.

Description	Code	List Price Euro	Pieces/ box	Weight Kg	Volume m^3
Light blue 8272	17212	77,00	1		
Blue 8273	17213	80,00	1		





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Quality Policy

GEMAS
Genel Muhendislik Mekanik Sanayi ve Ticaret A.S.
targets to be a universally well known
company in its sector.
In order to achieve that

Gemas embraces:

- Constant increase in customer satisfaction.
- Continuous development in production technology and efficiency.
- Continuous progress in all activities as the main principles of the company.

Genel Manager
İbrahim ÜSTÜNES

Date of Issue: 30.03.2005

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by review of SA5.003006 numbered report for the scope

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to certify that a management system in accordance with standard's clauses is established and being implemented

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All over your pool; from construction materials to installation, from lighting to filtration, from disinfection to heating, from cleaning to massage equipment - shortly, we are in your pool, outside, and in the engine room ! **You can trust us.**

▶ Polyester Laminated/Bobbin Wound and Plastic Body Sand Filters ▶ Self-priming Pool Pumps ▶ Multiport valves ▶ PVC Fittings ▶ Skimmers ▶ Underwater Lights ▶ Transformers ▶ Pool Ladders ▶ Diving Boards ▶ Automatic Disinfection Systems ▶ Salt-Water Chlorinators ▶ Return Inlets ▶ Main Drains ▶ Overflow Gratings ▶ Automatic Pool Cleaners and Accessories ▶ Olympic Pool Accessories ▶ Plastic Valves and Fittings ▶ Pool Chemicals ▶ Heaters ▶ Fountain Nozzles ▶ Stropool Fast Pool Systems.

GEMAS

GEMAŞ PAZARLAMA LOJİSTİK TİCARET ANONİM ŞİRKETİ

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TÜV SÜD

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VHB

GENERAL TERMS OF TRADING

Art.1. Price
Quoted prices are exclusive of VAT and of delivery. If delivery is to be organized by GEMAS, the Customer is liable to pay delivery charges to GEMAS.

Art. 2. Specifications
In order to improve the quality of our products, GEMAS shall not be under a liability in respect of specifications, illustrations or other matter in relation to goods contained in any material such as brochures, price list or trade publications, descriptive or advertising matter or delivery notes other than in respect of specifications expressly set out in GEMAS' acknowledgment order.

Art. 3. Orders
No liability shall be attached to GEMAS, its agent or employees in respect of any representation or statement made, whether before or after agreement is reached, unless confirmed in written by GEMAS. In case of cancellation of a special order, we reserve the right to invoice all the items included in the manufacturing of this product or order.

Art. 4 Payment
Subject to any special terms agreed in writing between GEMAS and the Customer, for the first order payment for the goods shall be made in cash net with order, and delivery shall not be made until payment has been received in full set by GEMAS. In the event of default in payment by the due date, GEMAS reserves the right to charge interest on all amounts overdue at the rate of 1% calculated on a monthly basis (a part of a month being treated as a full month for this purpose) until payment in full is made and to suspend delivery or terminate the contract in respect of any of the goods or services delivered to the Customer. If GEMAS takes any legal action against a customer for a non-payment, the Customer will have to pay 20% fees of the total due amount. The Customer accepts that the liabilities of GEMAS caused by the guarantee conditions cannot be an excuse for the Customer's delay in payment.

Art. 5. Delivery
Our goods are sold ex-works Izmir - Turkey. GEMAS may organize the carriage of the goods to the Customer if it is specified so in the order acknowledgement. Notification of short deliveries or loss or damage to goods in transit must be made in writing to the transport company within three working days of the date when the goods have or should have been delivered. GEMAS shall bear no liability therefore unless such notification is made by the Customer and confirmed by GEMAS. Any date or time given by GEMAS to the Customer for the delivery of the goods is an estimate only. While GEMAS will always endeavor to meet dates or times given or specified by either party, no such dates or times shall be binding on GEMAS or form part of the contract. GEMAS will not accept any order cancellation, nor penalties in case of a late delivery. The Customer will bear the cost of any urgent courier dispatch.

Art. 6. Goods return
No goods shall be returned without our previous acceptance within 8 days. The Customer will bear the transport costs. If the return is accepted the Customer shall pay 15% of the invoiced value.

Art. 7. Guarantee
GEMAS warrants the goods to be of satisfactory quality from the dispatch date and takes effects after full payment of the goods. The guarantee expires once the goods have been modified out of factory. The guarantee is limited to the replacement or repair of the parts which have been proved defective, therefore no labor, no travelling expenses, no transport, no damage nor whatsoever compensation may be claimed to GEMAS. The guarantee applies only if the installation complies with professional standards. Guarantee liability of GEMAS is only to the Customer, and does not include the third parties, such as the customers of the Customer.

Art. 8. Title to the goods
Notwithstanding delivery and the passing of risk in the goods, or any other provision of these conditions, title in the goods remains vested in GEMAS and shall only pass from GEMAS to the Customer upon full payment being made by the Customer of all sums due, on whatever account or grounds to GEMAS. In the event of goods being sold by the Customer in such a manner as to pass to a third party a valid title to the goods, whilst any such sums are due to GEMAS, GEMAS' right under this condition shall attach to such part of the proceeds of sales as is equivalent to the sums due to GEMAS and the Customer shall place the relevant part of the proceeds of sale in a separate account. Until such time as title to the goods passes to the Customer, the Customer shall hold the goods as GEMAS' fiduciary agent and bailee, and shall keep the goods separate from those of the Customer and the third parties and properly stored, protected and insured and identified as GEMAS' property. Until that the time the Customer shall be entitled to resell or use the goods in the ordinary course of its business, but shall account to GEMAS for proceeds of sale or otherwise of the goods whether tangible or intangible, including insurance proceeds, and shall keep all such proceeds separate from any money or property of the Customer and third parties and this case of tangible proceeds properly stored, protected and insured. Until such time as title to the goods passes to the Customer (and provided goods are still in existence and have not been resold) GEMAS shall be entitled at any time to require the Customer to deliver up the goods to GEMAS and if the Customer fails to do so forthwith, to enter upon any premises of the Customer or any third parties where the goods are stored and repossess the goods.

Art. 9. Claims
The application of these provisions is exclusively governed by the Turkish laws. In case of any dispute arising from the execution of an order in all or part of its modalities or regarding the interpretation of these general terms, the only competent shall be the Turkish courts, even in the case of a plurality of defendants, appeals to guarantee or indivisible or connected requests.

BANK ACCOUNT

- HALKBANK IBAN No:

TR29 0001 2009 7290 0058 0001 94 (€)
TR21 0001 2009 7290 0053 0001 82 ($)
SWIFT CODE: TRHBTR2AXXX

- GARANTI BANK IBAN No:

TR73 0006 2000 4480 0009 0719 05 (€)
TR03 0006 2000 4480 0009 0719 04 ($)
SWIFT CODE: TGBATRISXXX