

Turbidron®

"Turbidron - Norm Plus" Deep - Bed Sand Filter for
Water Applications and Pools



Quality Management System



"TURBIDRON"

Norm Plus" Deep - Bed Sand Filter for Water Applications and Pools



GEMAS "TURBIDRON-NORM PLUS" SAND FILTERS (According to DIN 19605 and 19643)

Filter inner shell made of PE. Distribution system "Nozzle Plate" with mushroom nozzle made of FRP. Complete with pressure gauge and 1.5" air release valve.

Sand bed depth is 1.20 m. Test pressure: 4 kg/cm². Maximum working pressure: 2.5 kg/cm².

Filtration rate: Max. 50 m³/h/m². Excluding multi-way valve.

KEY FEATURES

- FRP construction with bobbin winding technology
- High mechanical strength and corrosion resistance
- Horizontal design for space-efficient installation
- Suitable for commercial and large-scale swimming pools
- Single and dual-stack configurations
- Optimized internal water distribution
- Large access openings for easy maintenance
- Robust support legs for horizontal installation
- Pressure gauge and air release system
- Available with different filtration areas and flow capacities

HORIZONTAL DESIGN

The horizontal vessel design provides a practical and space-efficient filtration solution for commercial pool installations. Filters can be installed individually or arranged in two-layer / dual-stack configurations, significantly reducing the required floor area.

The optimized internal filtration system ensures uniform water distribution through the filter bed and efficient utilization of the filtration media.



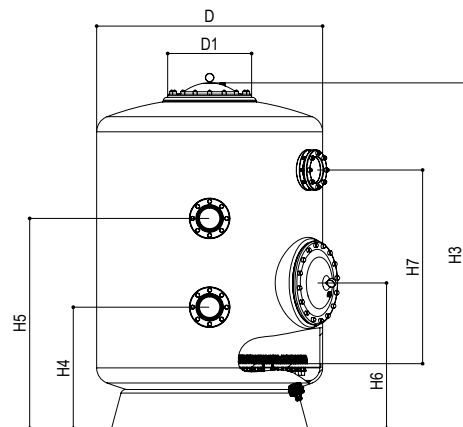
Opaque or Transparent
Side manhole



Nozzle distribution system



FR polyester or
PVC connection



TECHNICAL CHARACTERISTICS

MODEL	021509	021510	021511	021513	021514	021515	021516	021517	021518	021519	021520
D (mm)	630	710	830	1000	1200	1400	1600	1800	2000	2200	2400
D ₁ (mm)	420	420	525	525	525	525	525	525	525	525	525
H ₃ (mm)	1760	1760	1900	2050	2100	2150	2300	2500	2550	2520	2600
H ₄ (mm)	500	500	550	750	750	750	850	900	900	950	950
H ₅ (mm)	1350	1350	1450	1450	1500	1520	1550	1600	1600	1700	1800
H ₆ (mm)	750	750	750	750	850	1000	950	950	1000	1000	1000
H ₇ (mm)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
CONNECTIONS Ø (mm)	50	63	63	75	75	90	110	110	125	140	160
FLOW (m ³ /h)	(50 m ³ /h/m ²) max	16	20	27	40	57	77	101	127	157	226
	(40 m ³ /h/m ²)	12	16	22	32	45	62	80	102	126	181
	(30 m ³ /h/m ²) mini	9	12	16	24	34	46	60	76	94	136
SAND (Kg)	524	665	909	1300	1900	2600	3400	4400	5300	6600	8000