

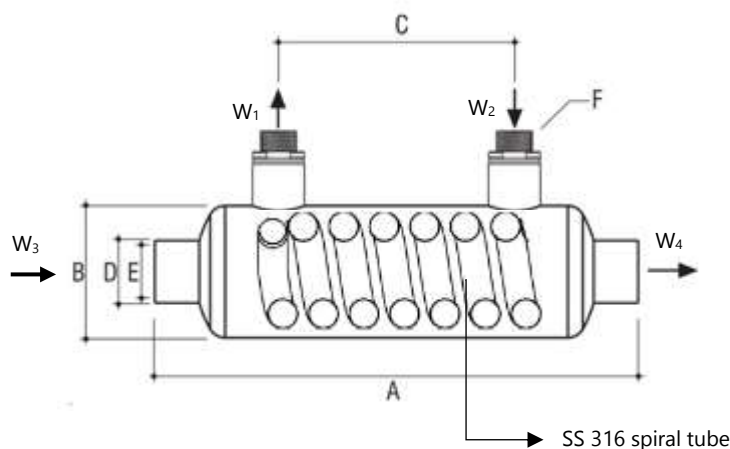
## GEMAS SHELL & TUBE TYPE HEAT EXCHANGERS



**Product details:** GEMAS Heat Exchangers are used to heat exchange between cold and hot fluids separately. Made of AISI 304 quality stainless steel body with AISI 316 stainless steel spiral tube. **Max. pressure 10 bars. Operated by 90-70 °C hot water from the boiler.** Connection cuffs are not included.

### Technical Characteristic

Pool water and boiler water flow in the opposite direction in the heat exchanger to increase the heat transfer efficiency. Measurement values indicated with letters in the figure on the right are given in the table below.



W <sub>1</sub>	Boiler inlet
W <sub>2</sub>	Boiler outlet
W <sub>3</sub>	Pool inlet
W <sub>4</sub>	Pool outlet

HEAT EXCHANGER TYPE	Boiler Water Head loss (bar)	Pool Water Head loss (bar)	DIMENSIONS					
			A (mm)	B (mm)	C (mm)	D	E (mm)	F
101210 -22.000 kcal/h	0.006	0.119	330	130	100	D.54-PN10	50	3/4"
101217 -40.000 kcal/h	0.024	0.192	440	130	200	D.54-PN10	50	3/4"
101212 -65.000 kcal/h	0.040	0.418	440	130	200	D.54-PN10	50	1"
101218 -80.000 kcal/h	0.030	0.293	560	130	280	D.66-PN10	63	1"
101219 -110.000 kcal/h	0.040	0.316	700	130	410	D.66-PN10	63	1"
101214 -180.000 kcal/h	0.122	0.596	1000	130	720	D.66-PN10	63	1/2"
101220 -220.000 kcal/h	0.161	0.617	1000	130	720	D.66-PN10	63	2"
101215 -250.000 kcal/h	0.214	0.633	1000	168	690	D.66-PN10	63	2"
101221 -330.000 kcal/h	0.351	0.754	1260	168	950	D.66-PN10	63	2"
101216 -400.000 kcal/h	0.47	0.860	1260	168	950	D.66-PN10	63	2"