

COMBINED FLOOR STANDING WATER HEATERS WITH TWO HEAT EXCHANGERS (S2)

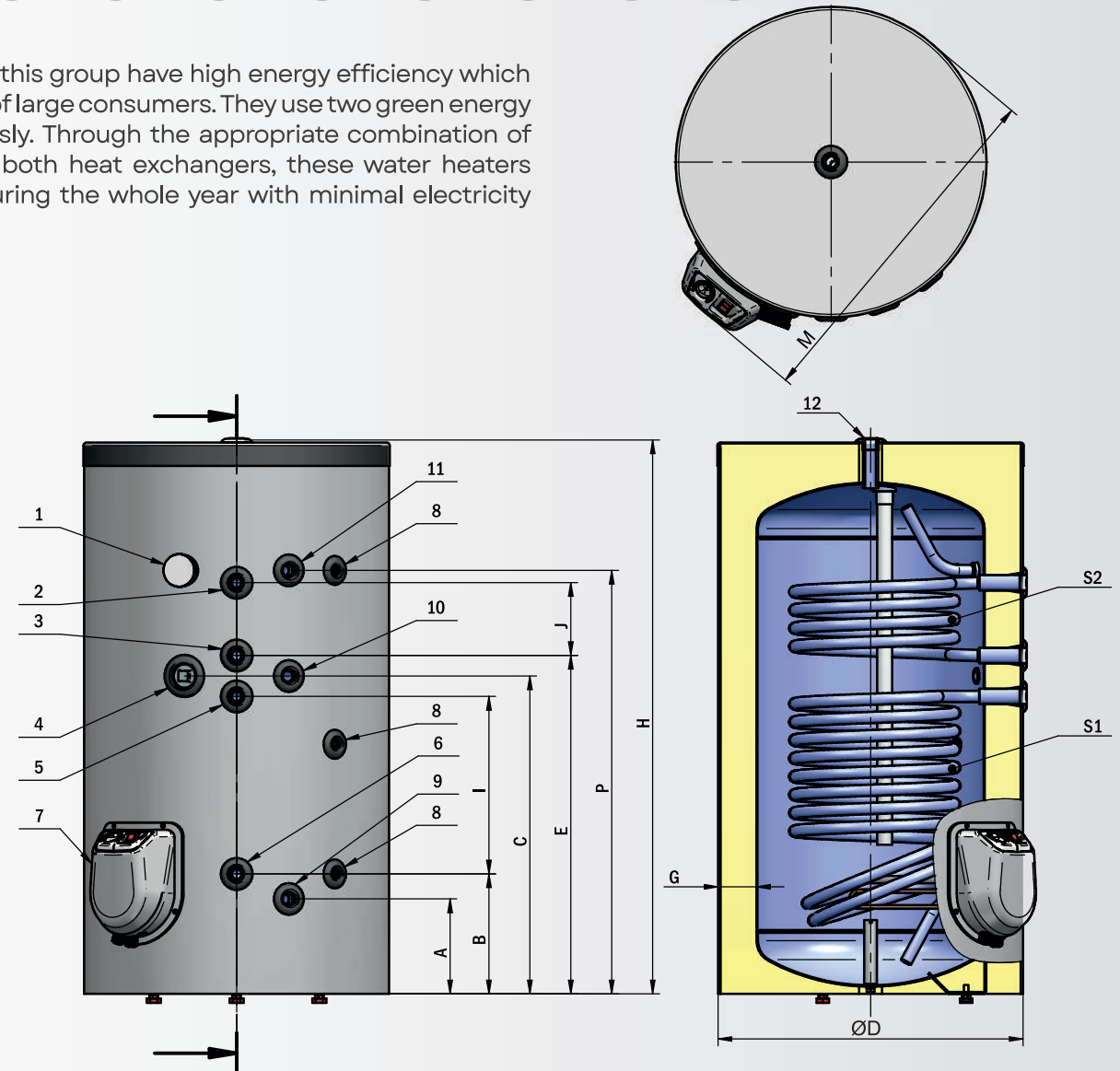


Water heaters type: indirect
 Installation: floor standing
 Capacity: 150, 200, 300 and 500l.
 Water tank: enameled

The water heaters of this group have high energy efficiency which can meet the needs of large consumers. They use two green energy sources simultaneously. Through the appropriate combination of operation modes of both heat exchangers, these water heaters provide hot water during the whole year with minimal electricity consumption.

i DESCRIPTION

- Minimal heat losses: Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 150 to 500 liters;
- Lower heat exchanger with large heat exchanging surface designed for connection to a solar collector or a heat pump;
- SHIELD technology - a unique formula for wear-resistant enamel coating with increased zirconium content with lithium and cobalt oxides - for durability and long life of the water tank in enameled models;
- Two magnesium anodes for optimal corrosion protection;
- Five levels of protection;
- Connections convenient for installation and maintenance;
- Mechanical or electronic control;
- Sensor socket for both heat exchangers;
- Socket for mounting of an additional electric heating element;
- External thermostat;
- Combined metal safety valve;
- Circulation socket;
- Casing made of synthetic INOX-coloured wear-resistant material;
- Precision thermometer for all models;
- Optional replacing kit (flange, heating element/s and anode).



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SPECIFICATIONS

Parameters	FV15060S2	FV20060S2	FV30067S2	FV50080S2
Model	...	200	300	500
Volume group	...	B	B	B
Energy efficiency class	...	B	B	B
Rated pressure	Mpa	0.8	0.8	0.8
Volume	L	141	184	258
Insulation thickness	mm	75	75	85
Gross weight	kg	65	84	99
Heat exchanger (main heat)				
Operating pressure	Mpa	1	1	1
Max. temperature of the heating fluid	°C	110	110	110
Maximum temperature in the tank heated by a heat exchanger. Appliance without / with back-up immersion electric heater.	°C	95 / 85	95 / 85	95 / 85
Heat exchanger S1				
Surface area	m ²	0.67	0.90	1.12
Volume	L	3.2	4.3	5.4
NL	3.6	8
Continuous output according DIN 4708	kW	...	25	35
Flow rate according DIN 4708	L/min	...	10	14
Power according EN 12897	kW	13.7	18.6	19.3
Heat-up time according EN 12897	min	21	28.8	39.4
Pressure loss	mbar	80	120	50
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S1 is off	L	158	286	406
Heat exchanger S2				
Surface area	m ²	0.3	0.38	0.86
Volume	L	1.4	1.8	4.2
NL	1	1.8
Continuous output according DIN 4708	kW	...	10	25
Flow rate according DIN 4708	L/min	...	4.2	10
Power according EN 12897	kW	7	8.7	18.3
Heat-up time according EN 12897	min	19.5	23	18.6
Pressure loss	mbar	80	15	55
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off	L	75	107	175
Electrical part (auxiliary heating)				
Rated voltage	V	0 / 230~	0 / 230~	0/230~/400 0/3N~
Rated electrical power	kW	0 / 3	0 / 3	0 / 3 / 6 / 9
Time of heating with electric resistance heater up to 70°C [2]	min	--- / 175	--- / 230	- / 322/162/108 --- / 570/285/190
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75
Connections				
1: Thermometer		yes	yes	yes
2: S2 - Feed		G3/4 M	G3/4 M	G3/4 M
3: S2 - Return		G3/4 M	G3/4 M	G3/4 M
4: Additional socket		G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed		G3/4 M	G3/4 M	G3/4 M
6: S1 - Return		G3/4 M	G3/4 M	G3/4 M
7: Flange with a heating element		yes	yes	yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain		G3/4 F	G3/4 F	G3/4 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G3/4 F
12: Hot water outlet		G3/4 F	G3/4 F	G11/4 F
Dimensions				
A	mm	210	210	265
B	mm	260	260	320
C	mm	660	855	1000
D	mm	600	600	800
E	mm	705	900	885
G	mm	75	75	85
H	mm	1150	1430	1605
I	mm	355	550	530
J	mm	160	230	400
M	mm	690	690	760
P	mm	890	1155	1315

1. All values in the table are approximate.
2. The heat-up time with the electric resistance heater is for actual capacity.