

# BIG CAPACITY COMBINED FLOOR STANDING WATER HEATERS UP 750 TO 2000L (S2)

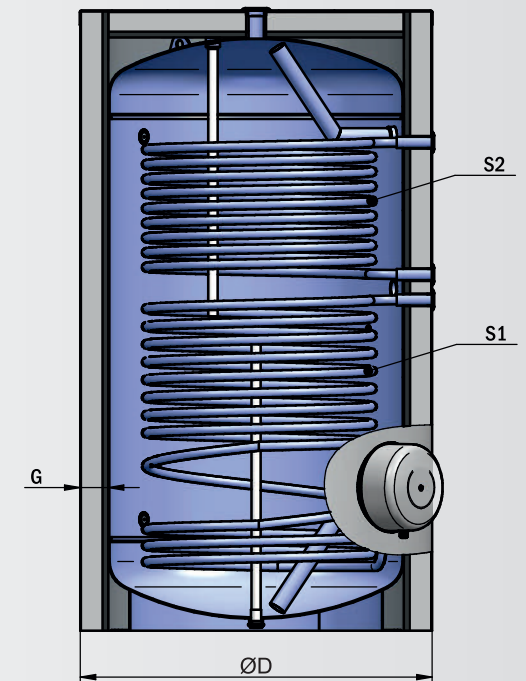
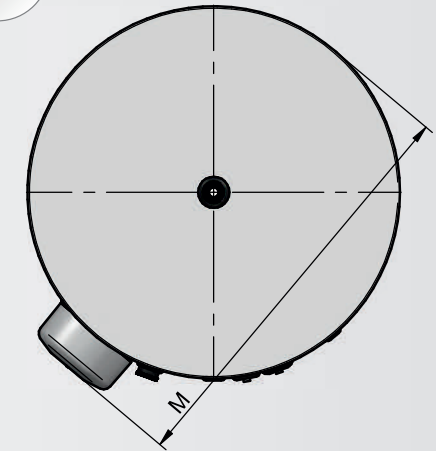
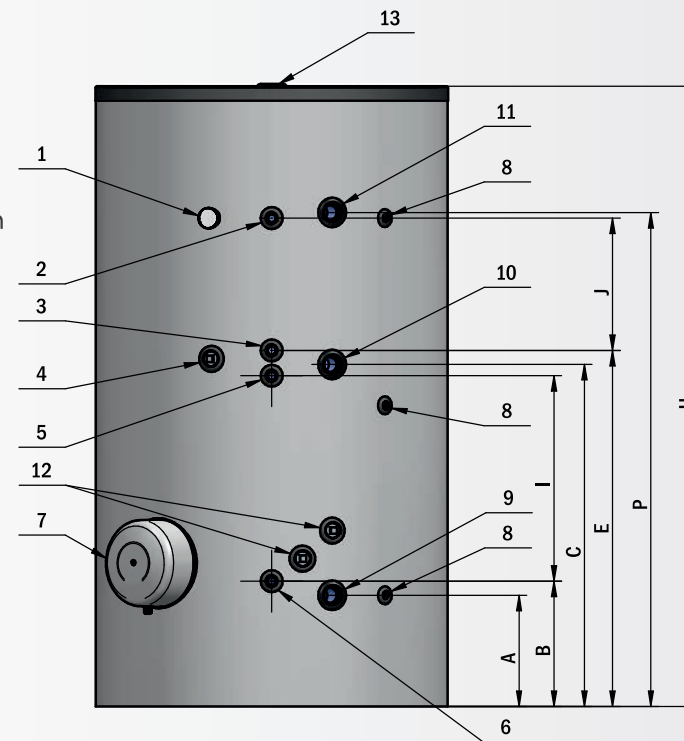


Water heaters type: indirect  
 Installation: floor standing  
 Capacity: 750, 1000, 1500, 2000l.  
 Water tank: enameled

This group of water heaters has very high energy efficiency that can meet the needs of large consumers. The appliances with two heat exchangers use two green energy sources simultaneously. With the appropriate combination of operation models of both heat exchangers, these water heaters supply hot water during the whole year with minimal electricity consumption.

## DESCRIPTION

- Minimal heat losses: Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000liters;
- 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;
- Sensor socket for both heat exchangers;
- Socket for mounting of an additional electric heating element;
- Circulation socket;
- Mechanical or electronic control;
- A 100mm thick insulation, easy for dismantling;
- Zipped lining of wear-resistant a synthetic fabric in INOX color;
- Thermometer;
- External thermostat;
- Optional replacing kit (flange, heating element/s and anode).



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## SPECIFICATIONS

Parameters	FV75010FS2	FV10010FS2	FV15013FS2	FV20014FS2
Model	...	1000	1500	2000
Volume group	...	-	-	-
Energy efficiency class	...	0.6	0.8	0.8
Rated pressure	Mpa	0.6	0.8	0.8
Volume	L	721	1455	1978
Insulation thickness	mm	80	100	100
Gross weight	kg	243	408	515
<b>Heat exchanger (main heat)</b>				
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 auxiliary electric immersion heating element.	°C	95/85	95/85	95/85
<b>Heat exchanger S1</b>				
Surface area	m <sup>2</sup>	2.03	3.04	4.25
Volume	L	13.3	20	27.9
NL	...	19	30	45
Continuous output according DIN 4708	kW	65	94	130
Flow rate according DIN 4708	L/min	27	39	54
Power according EN 12897	kW	26.2	34	41
Heat-up time according EN 12897	min	76.6	77	111
Pressure loss	mbar	50	70	80
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	1058	1390	2515
<b>Heat exchanger S2</b>				
Surface area	m <sup>2</sup>	1.22	2.03	2.73
Volume	L	8	13.3	18
NL	...	5	16	20
Continuous output according DIN 4708	kW	35	57	76
Flow rate according DIN 4708	L/min	14	23	31
Power according EN 12897	kW	19.7	28	33
Heat-up time according EN 12897	min	49.5	42	60
Pressure loss	mbar	20	40	50
Maximum amount of drained water MIX 40°C according EN12897 when S2's energy source is off	L	519	650	1085
<b>Electrical part (auxiliary heating)</b>				
Rated voltage	V	0/400 3N~	0/400 3N~	0/400 3N~
Rated electrical power	kW	0/9/12	0/9/12	0/9/12
Heat-up time with electric heating element (up to 70°C) [2]	min	---/280/210	---/368/277	---/730/550
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75
<b>Connections</b>				
1: Thermometer		yes	yes	yes
2: S2 - Feed		G1F	G1F	G1F
3: S2 - Return		G1F	G1F	G1F
4: Additional socket		G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed		G1F	G1F	G1F
6: S1 - Return		G1F	G1F	G1F
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		G11/2 F	G2 F	G2 F
10: Recirculation		G3/4 F	G2 F	G2 F
11: Hot water outlet		G11/2 F	G2 F	G2 F
12: Additional socket		-	G11/2 F	G11/2 F
13: Hot water outlet		G11/4 F	G2 F	G2 F
<b>Dimensions</b>				
A	mm	330	330	415
B	mm	420	420	465
C	mm	950	1110	1255
D	mm	1010	1010	1400
E	mm	990	1150	1285
G	mm	80	80	100
H	mm	1655	2000	2255
I	mm	470	630	730
J	mm	290	470	470
M	mm	1110	1110	1385
P	mm	1280	1620	1755

1. All values in the table are approximate.

2. The heat-up time with the electric resistance heater is for actual capacity.