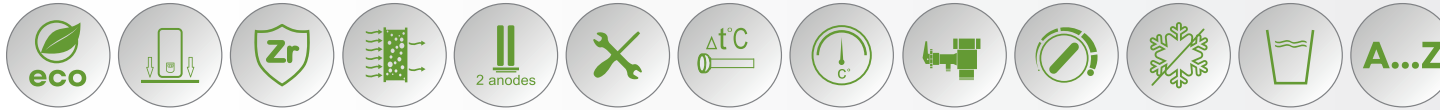


COMBINED FLOOR STANDING WATER HEATERS WITH TWO PARALLEL HEAT EXCHANGERS (S21)

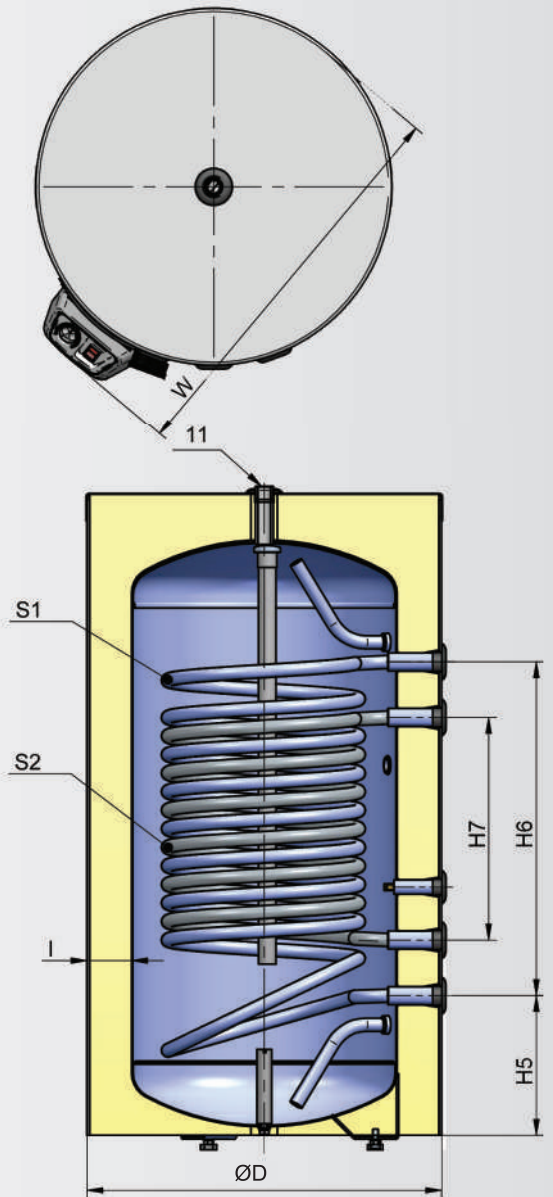
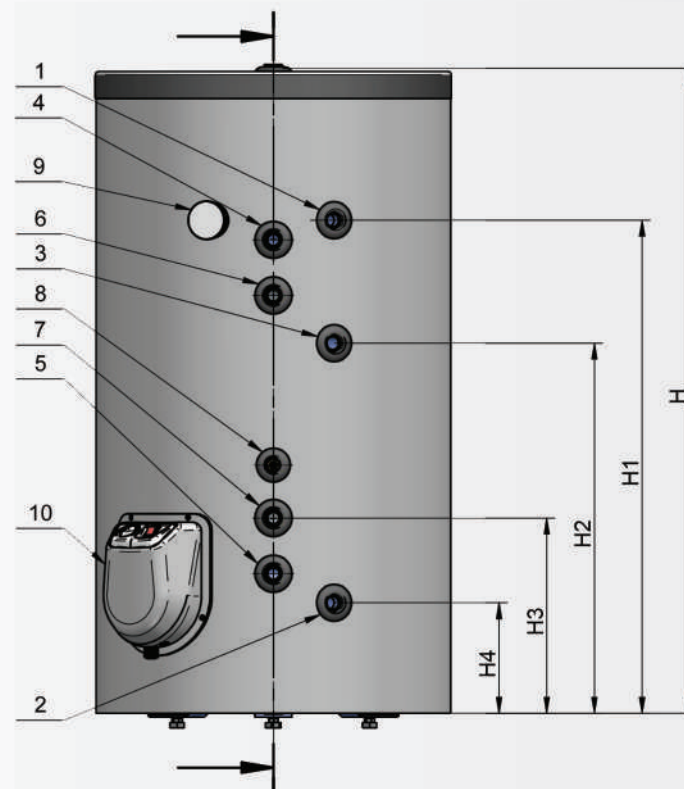


Water heaters type: indirect
 Installation: floor standing
 Capacity: 200, 300 and 500l.
 Water tank: enameled

The models of this series are designed with two parallel heat exchangers built-in within the whole volume of the appliance aiming to provide highest efficiency of water heating process regardless the season. The large surface area and the position of the heat exchangers supply large amounts of hot water with no electricity consumption.

DESCRIPTION

- Minimal heat losses: Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 200 to 500 liters;
- 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;
- 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);



COMBINED FLOOR STANDING WATER HEATERS WITH TWO PARALLEL HEAT EXCHANGERS (S21)

SPECIFICATIONS

Parameters		FV20060S21	FV30067S21	FV50080S21
Model	...	200	300	500
Volume group	...	B	B	B
Energy efficiency class	...	0.8	0.8	0.8
Rated pressure	Mpa	184	256	465
Volume	L	75	85	80
Insulation thickness	mm	81	104	170
Gross weight	kg	1	1	1
Heat exchanger (main heat)				
Operating pressure	Mpa	110	110	110
Max. temperature of the heating fluid	°C	95/85	95/85	95/85
Maximum temperature in the tank heated by a heat exchanger Appliance without / with auxiliary electric immersion heating element.	°C			
Heat exchanger S1				
Surface area	m ²	0.89	1.33	1.71
Volume	L	4.3	6.5	11.2
NL	...	3.6	8	14
Continuous output according DIN 4708	kW	25	43	56
Flow rate according DIN 4708	L/min	10	18	23
Power according EN 12897	kW	17.3	22.5	23
Heat-up time according EN 12897	min	24	24	57
Pressure drop	mbar	60	55	35
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	229	290	670
Heat exchanger S2				
Surface area	m ²	0.67	1.07	1.28
Volume	L	3.2	5.2	8.4
NL	...	2	3	4
Continuous output according DIN 4708	kW	18	28	34
Flow rate according DIN 4708	L/min	7.5	11.5	14
Power according EN 12897	kW	14	19.5	21.5
Heat-up time according EN 12897	min	28.5	25.5	45
Pressure loss	mbar	50	50	55
Maximum amount of drained water MIX 40°C according EN12897 when S2's energy source is off	L	220	275	495
Electrical part (auxiliary heating)				
Rated voltage	V	0/230~	0/230~ / 400 3N~	0/230~ / 400 3N~
Rated electrical power	kW	0/3	0/3/6/9	0/3/6/9
Heat-up time with electric heating element (up to 70°C) [2]	min	---/230	---/320/161/107	---/570/285/190
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75
Connections				
1: Hot water outlet		G3/4 F	G3/4 F	G1 F
2: Fresh water inlet - Drain		G3/4 F	G3/4 F	G1 F
3: Recirculation		G3/4 F	G3/4 F	G3/4 F
4: S1 - Feed		G3/4 F	G3/4 F	G1 F
5: S1 - Return		G3/4 F	G3/4 F	G1 F
6: S2 - Feed		G3/4 F	G3/4 F	G1 F
7: S2 - Return		G3/4 F	G3/4 F	G1 F
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
9: Thermometer		yes	yes	yes
10: Flange with a heating element		yes	yes	yes
11: Hot water outlet		G3/4 F	G3/4 F	G1/4 F
Dimensions				
H	mm	1430	1605	1765
H1	mm	1170	1315	1425
H2	mm	805	840	1000
H3	mm	365	370	455
H4	mm	210	210	265
H5	mm	260	265	320
H6	mm	910	1050	1105
H7	mm	700	840	835
D	mm	600	670	800
I	mm	75	85	80
W	mm	690	760	890

1. All values in the table are approximate.

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