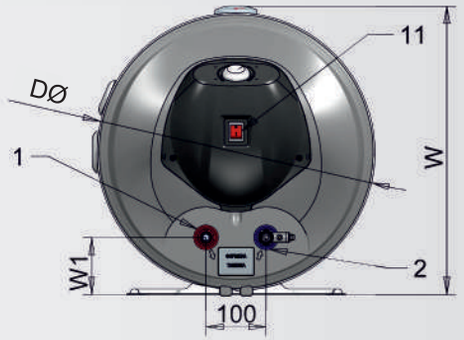
COMBINED WATER HEATERS FOR WALL MOUNTING WITH TWO HEAT EXCHANGERS (S2)

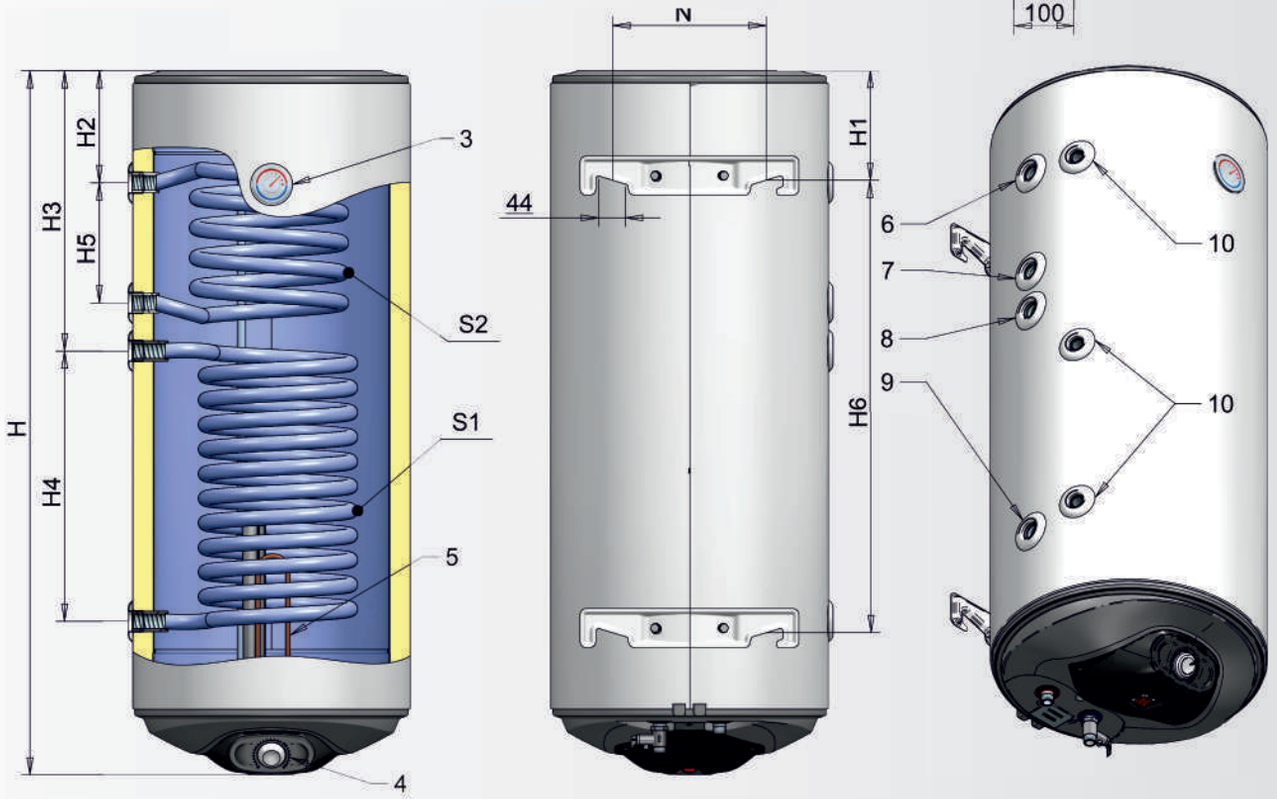
Water heaters type: indirect
Installation: wall mounted, vertical
Capacity: 120 and 150l.
Water tank: enameled

Our S2 ELDOM Green Line models with 2 heat echangers are designed for operation with two independent heat sources – a solar collector and a boiler. They are integrated in systems that operate during the whole year and provide maximum use of the heat generated by the renewable energy source.



DESCRIPTION

- Use of two independent alternative energy sources;
- Extremely low heat losses: Dense Closed-Cells thermal insulation from the HFO group with a thickness of more than 33 mm;
- Large heat exchanging surface of the heat exchangers;
- 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;
- Unique “6-Level Protection”;
- Specific elliptic flange for higher safety;
- Combined metal safety valve;
- Connections convenient for installation and maintenance;
- Mechanical or electronic control;
- Sensor socket for the heat exchanger;
- External thermostat;
- Temperature indicator.



SPECIFICATIONS

Parameters			
Model	... ...	**WV12046S2L** **WV12046S2R**	**WV15046S2L** **WV15046S2R**
Volume group	...	120	150
Energy efficiency class	...	B	B
Rated pressure	Mpa	0.7	0.7
Volume	L	111	140
Insulation thickness	mm	33	33
Weight with packing	kg	49.5	59
Heat exchanger (main heat)			
Operating pressure	Mpa	1	1
Maximum temperature of the heating fluid	°C	95	95
Maximum temperature in the tank heated by a heat exchanger	°C	85	85
Heat exchanger S1			
Surface area	m²	0.65	0.89
Volume	L	3.15	4.3
Power according EN 12897	kW	12.2	17.3
Heat-up time according EN 12897	min	28	24.5
Pressure loss	mbar	50	55
Maximum amount of drained water MIX 40°C according EN12897 when S1`s energy source is off	L	190	232
Heat exchanger S2			
Surface area	m²	0.3	0.3
Volume	L	1.43	1.43
Power according EN 12897	kW	6.7	6.7
Heat-up time according EN 12897	min	22	22
Pressure loss	mbar	35	35
Maximum amount of drained water MIX 40°C according EN12897 when S2`s energy source is off	L	82	82
Electrical part (auxiliary heating)			
Rated voltage	V~	230	230
Rated electrical power	kW	2/3	2/3
Heat-up time with electric heating element (up to 70°C) [2]	min	230/153	290/193
Maximum temperature in the tank when heated with electric heating element	°C	75	75
Connections			
1: Hot water outlet		G1/2 M	G1/2 M
2: Cold water inlet - Drain		G1/2 M	G1/2 M
3: Temperature indicator		yes	yes
4: Control panel		yes	yes
5: Flange with a heating element		yes	yes
6: Heat exchanger S2 - Feed		G3/4 F	G3/4 F
7: Heat exchanger S2 - Return		G3/4 F	G3/4 F
8: Heat exchanger S1 - Feed		G3/4 F	G3/4 F
9: Heat exchanger S1 - Return		G3/4 F	G3/4 F
10: Socket for thermostat		G1/2 F	G1/2 F
11: Illuminated switch		yes	yes
Dimensions			
H	mm	1170	1420
H1	mm	185	185
D	mm	462	462
W1	mm	96	96
W	mm	484	484
H2	mm	186	218
H3	mm	470	500
H4	mm	450	670
H5	mm	200	200
H6	mm	753	1003
N	mm	255	240

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

ELDOM Green Line