



### Our business card

Company:	ELDOMINVEST LTD.
Year of establishment:	1987
Employees:	600 people
Number of factories:	3
Total area:	49 000 sq. m
Annual production capacity:	500 000 appliances
Product range:	over 400 models of electric water heaters, heating and cooking units, alternative energy appliances and systems

**ELDOMINVEST** is a Bulgarian company with a long dynamic history. For over 37 years, we have established ourselves as one of the most successful enterprises in Bulgaria, and became one of the leading manufactures of electrical household appliances and alternative energy appliances in Europe. Since 2009, we have been a member of the United Nations Global Compact. As a result of our long-term sustainable development program, ELDOMINVEST'S three manufacturing plants are now equipped with automated production lines of the latest generation in a closed operating circuit. In the manufacture of our final products, we use high-quality materials and fittings that are compliant with European requirements. The high technology level of our products is also ensured by the engineers in our design department, while design and post-design tests are carried out in our in-house laboratory.

All this enables us to offer our customers a wide range of appliances of guaranteed origin, quality and reliability. In addition to products with the established ELDOM brand, our company also develops ODM products, tooling and production equipment according to specific customer requirements. The time between production assignment and commercialization of the new product is no more than 6 months.

ELDOM Green Line is the product concept of ELDOMINVEST that we have introduced in line with the global trends of using renewable energy sources and environmental protection.

ELDOM Green Line appliances provide heating and domestic hot water supply using alternative energy sources – sun, air and biofuels.

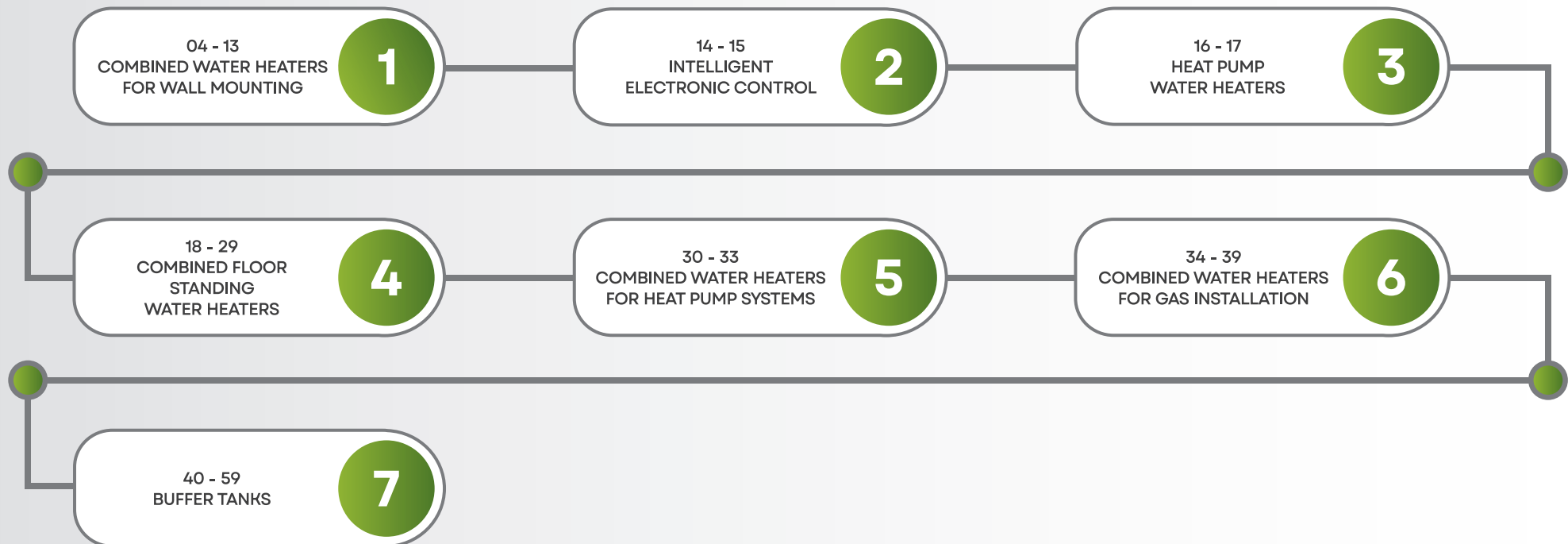
Our product portfolio includes a wide range of alternative energy appliances and systems:

- High-efficiency indirect water heaters with a capacity of between 80 and 2000 L fitted with one or two heat exchangers;
- Buffer tanks with a capacity of between 30 and 2000 L;
- Heat pump water heaters and systems featuring three times lower energy consumption compared to classic electric water heaters;
- Non-standard appliances made to specific customer requirements.

All our products bear the CE marking and are certified in accordance with the requirements and specific local regulations of the countries to which we export. Half of the products manufactured by ELDOMINVEST are intended for export to EU countries, the USA, North Africa and the Middle East. These markets have a good demand for the appliances under the ELDOM brand due to their reliability, guaranteed quality and excellent performance. These are the major priorities that are firmly anchored in our company policy. Every year, we present our new products at the most prestigious exhibitions in the field of renewable energy sources, including ISH in Frankfurt and MCE in Milan.







## COMBINED WATER HEATERS FOR WALL MOUNTING





# COMBINED WATER HEATERS FOR WALL MOUNTING

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ELDOM Green Line series is the widest product range of combined wall mounted water heaters manufactures in Bulgaria. They deliver plenty of hot water using alternative energy sources, i.e. sun, air, individual gas or solid fuel fired heating systems.

The demand of our combined water heaters is constantly growing due to their excellent performance and functions – energy efficiency, extended life cycle and variety of models.

The online application MyELDOM provides you real-time information on the status of your water heating system. From your mobile device, you can remotely control all operating parameters of the combined ELDOM water heater.



Renewable green energy



SHIELD technology - a unique formula of wear-resistant enamel coating with increased levels of zirconium



Models with intelligent electronic control, providing supplementary energy saving



Two magnesium anodes in each of our water heater models



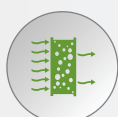
Models for vertical wall mounting



All water heater models are featured with an anti-freeze mode



Possibility for temperature control through external capillary thermostat



Thick insulation made of CFC-free polyurethane foam for minimal heat losses and energy saving



Models with a heat exchanger located at the bottom of the water heater, featured with increased surface for connection with a solar collector or a heat pump



Remote monitoring and control via a Wi-Fi communication Module



Possibility to control the cathode protection through an anode tester



Models for horizontal wall mounting



Safety valve with 3 protective functions



Electric tubular heating element produced in Eldominvest using the last generation technology



High level of safety and reliability, guaranteed by the unique six level protection system



Models with a heat exchanger located at the top of the water heater, operating in an instantaneous mode for connection with a boiler or a fireplace



Replacement kit (flange, heating element, anode)



Sockets for thermal sensors



Temperature indicator



Water, suitable for drinking



Easy assembly and maintenance

# SOLAR WATER HEATERS FOR WALL MOUNTING WITH ONE HEAT EXCHANGER (S)

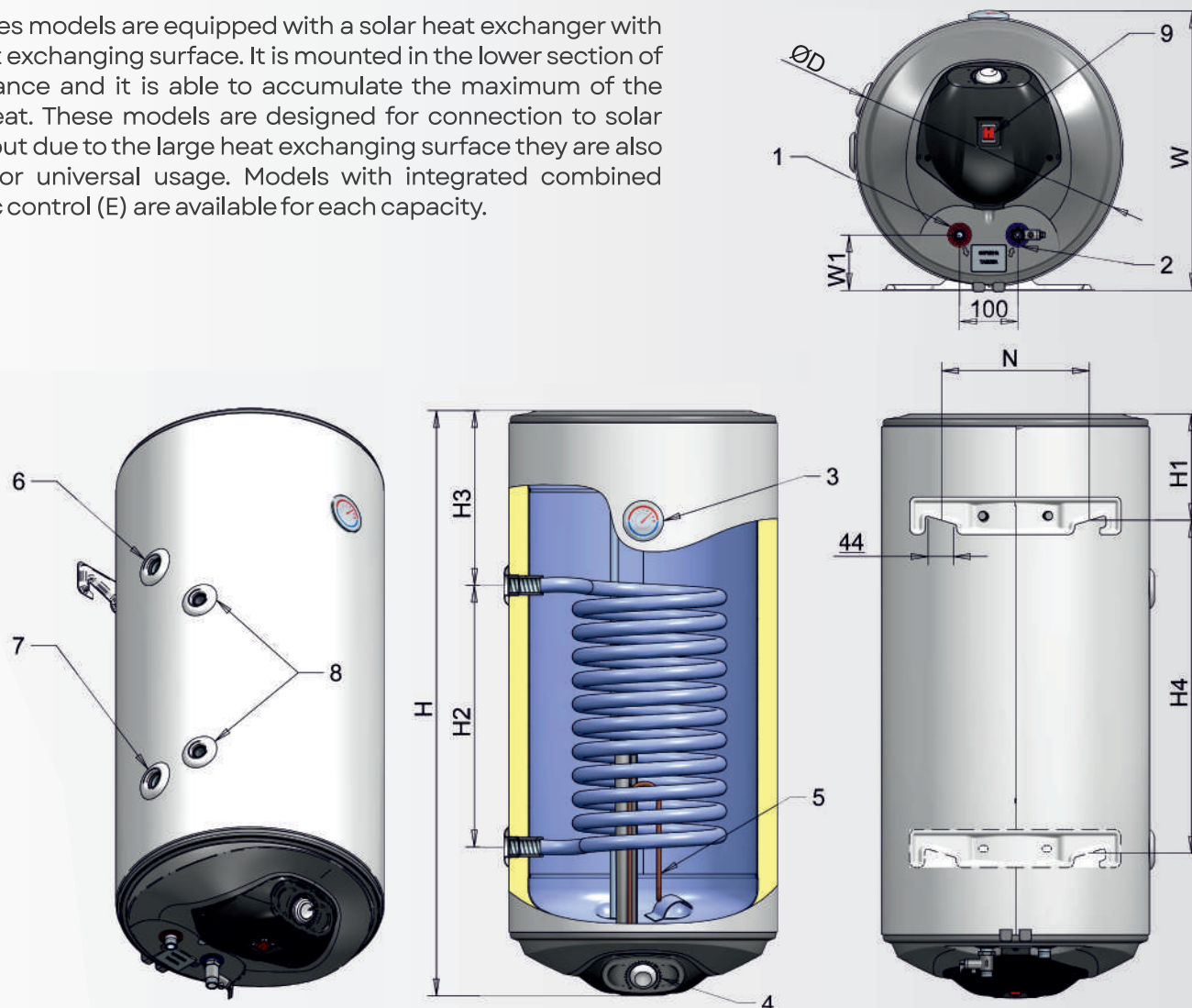


Water heaters type: indirect  
Installation: wall mounted, vertical  
Capacity: 80, 100, 120, 150 and 200l.  
Water tank: enameled

Our S series models are equipped with a solar heat exchanger with large heat exchanging surface. It is mounted in the lower section of the appliance and it is able to accumulate the maximum of the source heat. These models are designed for connection to solar systems but due to the large heat exchanging surface they are also suitable for universal usage. Models with integrated combined electronic control (E) are available for each capacity.

## DESCRIPTION

- 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 sockets for the heat exchanger;
- External thermostat;
- Temperature indicator;
- Illuminated switch integrated in the models with mechanical control unit.





# SOLAR WATER HEATERS FOR WALL MOUNTING WITH ONE HEAT EXCHANGER (S)

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## SPECIFICATIONS

Parameters						
Model	...	<b>WV08039SL</b> <b>WV08039SR</b>	<b>WV10046SL</b> <b>WV10046SR</b>	<b>WV12046SL</b> <b>WV12046SR</b>	<b>WV15046SL</b> <b>WV15046SR</b>	<b>72281S</b>
Volume group	...	80	100	120	150	200
Energy efficiency class	...	B	B	B	B	B
Rated pressure	Mpa	0.7	0.7	0.7	0.7	0.7
Volume	L	73	91	112	142	186
Insulation thickness	mm	33	33	33	33	43
Weight with packing	kg	36.5	39	44.5	55	73
<b>Heat exchanger (main heat)</b>						
Operating pressure	Mpa	1	1	1	1	1
Maximum temperature of the heating fluid	°C	95	95	95	95	95
Maximum temperature in the tank heated by a heat exchanger	°C	85	85	85	85	85
Surface area	m <sup>2</sup>	0.49	0.65	0.65	0.89	0.89
Volume	L	1.81	3.15	3.15	4.3	4.3
Power according EN 12897	kW	10	13.4	12.2	17.3	17.5
Heat-up time according EN 12897	min	21	21	28	24.5	32
Pressure loss	mbar	90	50	50	55	50
Maximum amount of drained water MIX 40°C according En12897 when S1's energy source is off	L	116	150	190	232	310
<b>Electrical part (auxiliary heating)</b>						
Rated voltage	V~	230	230	230	230	230
Rated electrical power	kW	2/3	2/3	2/3	2/3	3
Heat-up time with electric heating element (up to 70°C) [2]	min	150/100	188/125	232/155	293/195	260
Max. temperature in the tank when heated with electric heating element	°C	75	75	75	75	75
<b>Connections</b>						
1: Hot water outlet		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
2: Cold water inlet - Drain		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
3: Temperature indicator		yes	yes	yes	yes	yes
4: Control panel		yes	yes	yes	yes	yes
5: Flange with a heating element		yes	yes	yes	yes	yes
6: Heating coil - Feed		G1/2 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
7: Heating coil - Return		G1/2 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Illuminated switch		yes	yes	yes	yes	yes
<b>Dimensions</b>						
H	mm	1125	1005	1170	1420	1255
H1	mm	155	185	185	185	190
D	mm	387	462	462	462	586
W1	mm	80	96	96	96	105
W	mm	410	484	484	484	600
H2	mm	450	450	450	670	450
H3	mm	425	305	470	500	195
H4	mm	-	-	-	1003	780
N	mm	255	255	255	240	240

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

## WATER HEATERS WITH SOLAR HEAT EXCHANGER (S) FOR HORIZONTAL WALL MOUNTING

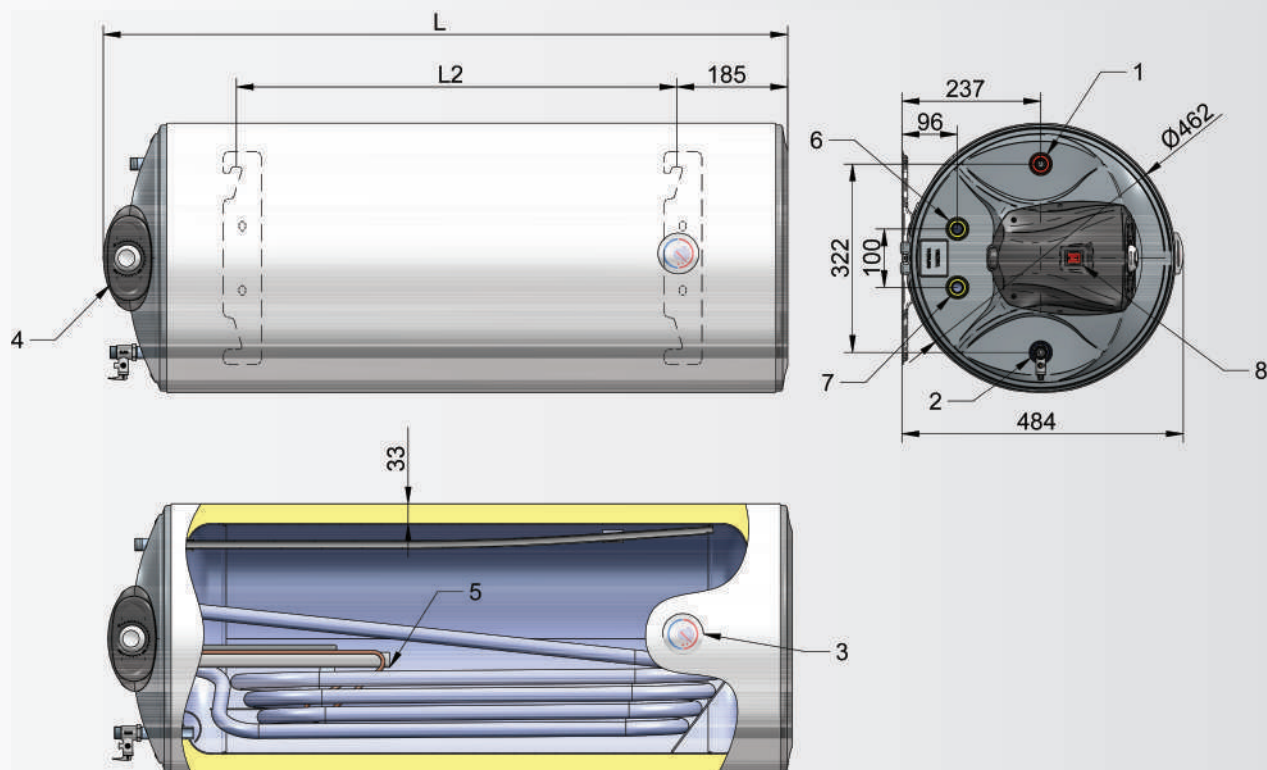


Water heaters type: indirect  
Installation: wall mounted, horizontal,  
Capacity: 80, 100, 120, 150 and 200l.  
Water tank: enameled

ELDOM Green Line horizontal water heaters are chosen by many of our customers due to their innovative design and high efficiency.  
The outlets can be positioned at the left or the right side of the appliance, according to the customers' requirements.

### DESCRIPTION

- Extremely low heat losses: Dense Closed-Cells thermal insulation from the HFO group with a mthickness of more than 33 mm;
- Innovative conical form of the heat exchanger. This provides bigger contact area and perfect application of enamel coating on the coil;
- Constructive solution for trouble free vending of the heat exchanger;
- 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 System;
- Specific elliptic flange for higher safety;
- Combined metal safety valve;
- Connections convenient for installation and maintenance;
- External thermostat;
- Temperature indicator;
- Illuminated switch.





# WATER HEATERS WITH SOLAR HEAT EXCHANGER (S) FOR HORIZONTAL WALL MOUNTING

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## SPECIFICATIONS

Parameters		WH08039LSL WH08039RSR	WH08046LSL WH08046RSR	WH10046LSL WH10046RSR	WH12046LSL WH12046RSR	72280XBS 72280XBSR	72281XBS 72281XBSR
Model	...	...	...	...	...	...	...
Volume group	...	80	80	100	120	150	200
Energy efficiency class	...	C	C	C	C	C	C
Rated pressure	Mpa	0.7	0.7	0.7	0.7	0.7	0.7
Volume	L	73	76	91	112	143	186
Insulation thickness	mm	33	33	33	33	43	43
Weight with packing	kg	32	32	36.5	43	64	80
<b>Heat exchanger (main heat)</b>							
Operating pressure	Mpa	1	1	1	1	1	1
Maximum temperature of the heating fluid	°C	95	95	95	95	95	95
Maximum temperature in the tank heated by a heat exchanger	°C	85	85	85	85	85	85
Surface area	m²	0.36	0.35	0.35	0.59	0.59	0.77
Volume	L	1.31	1.71	1.71	2.85	2.85	3.73
Power according EN 12897	kW	5.2	7	7.1	10	11.2	15
Heat-up time according EN 12897	min	25	30	34	28	27.5	26.5
Pressure loss	mbar	30	50	50	60	85	90
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	105	80	80	85	170	220
<b>Electrical part (auxiliary heating)</b>							
Rated voltage	V~	230	230	230	230	230	230
Rated electrical power	kW	2/3	2/3	2/3	2/3	3	3
Heat-up time with electric heating element (up to 70°C) [2]	min	150/100	157/105	188/125	232/155	200	260
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75	75	75	75
<b>Connections</b>							
1: Hot water outlet		G1/2 F	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
2: Cold water inlet - Drain		G1/2 F	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
3: Temperature indicator		yes	yes	yes	yes	yes	yes
4: Control panel		yes	yes	yes	yes	yes	yes
5: Flange with a heating element		yes	yes	yes	yes	yes	yes
6: Heating coil - Feed		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
7: Heating coil - Return		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
8: Illuminated switch		yes	yes	yes	yes	yes	yes
<b>Dimensions</b>							
L	mm	1135	835	1005	1170	1015	1255
L2	mm	770	415	587	753	560	780

1. All values in the table are approximate.
2. The heat-up time with the electric resistance heater is for actual capacity.
3. The largest water heater are offered in different design.

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

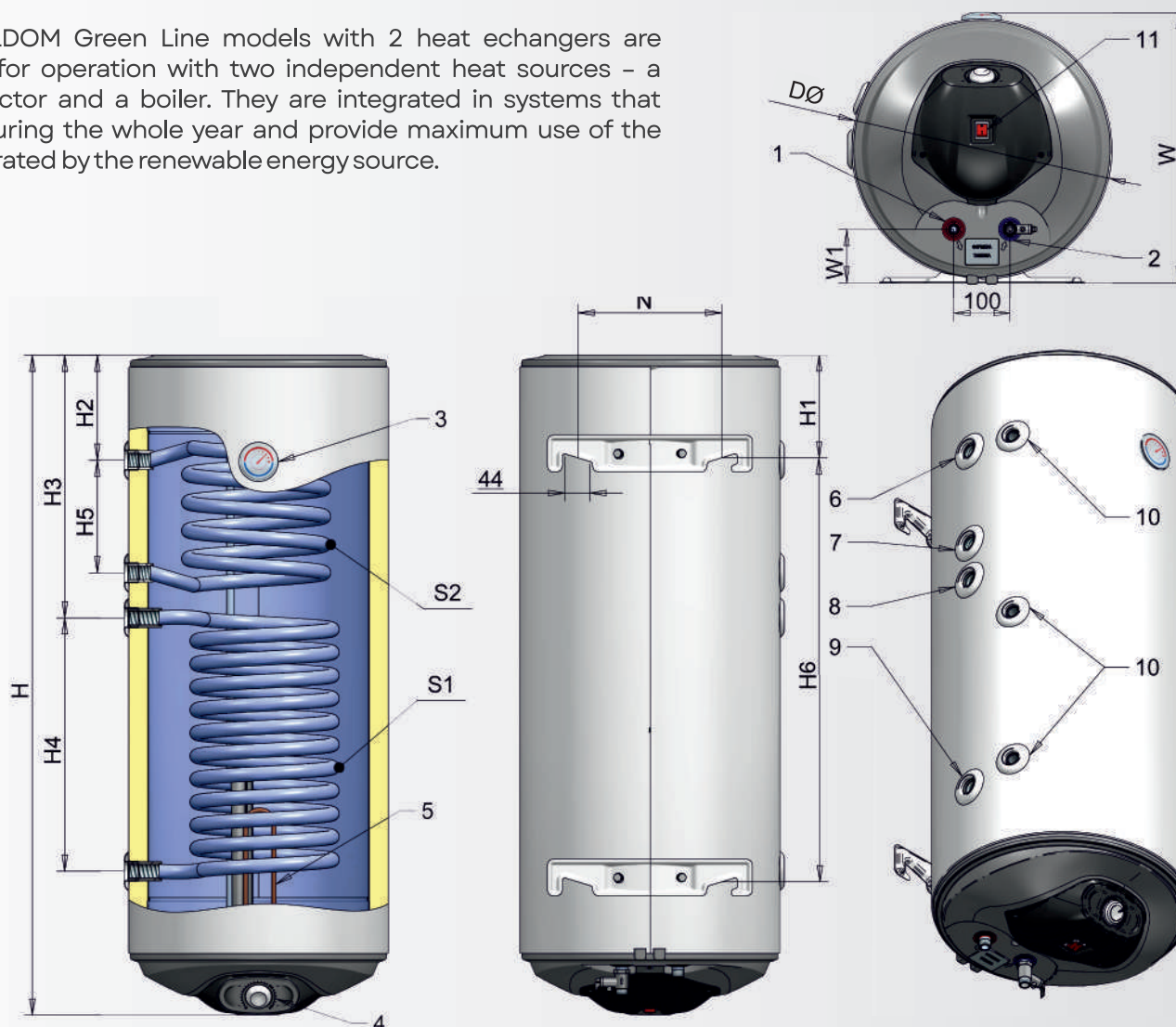


Water heaters type: indirect  
Installation: wall mounted, vertical  
Capacity: 120 and 150l.  
Water tank: enameled

Our S2 ELDOM Green Line models with 2 heat exchangers 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.





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

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## SPECIFICATIONS

Parameters			WV12046S2L WV12046S2R	WV15046S2L WV15046S2R
Model	...	...	120	150
Volume group	...	...	B	B
Energy efficiency class	...	...	0.7	0.7
Rated pressure	Mpa	L	111	140
Volume	mm	kg	33	33
Insulation thickness	mm	kg	49.5	59
Weight with packing	kg			
<b>Heat exchanger (main heat)</b>				
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
<b>Heat exchanger S1</b>				
Surface area	m <sup>2</sup>		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
<b>Heat exchanger S2</b>				
Surface area	m <sup>2</sup>		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
<b>Electrical part (auxiliary heating)</b>				
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
<b>Connections</b>				
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
<b>Dimensions</b>				
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

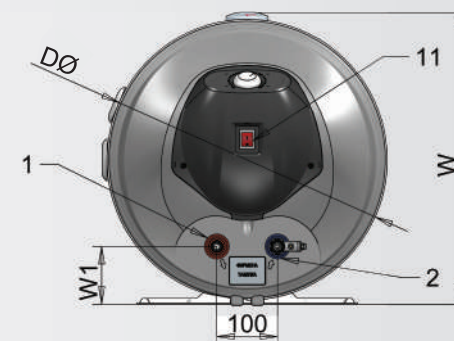
1. All values in the table are approximate.
2. The heat-up time with the electric resistance heater is for actual capacity.

# COMBINED WATER HEATERS FOR WALL MOUNTING WITH TWO PARALLEL HEAT EXCHANGERS (S21)



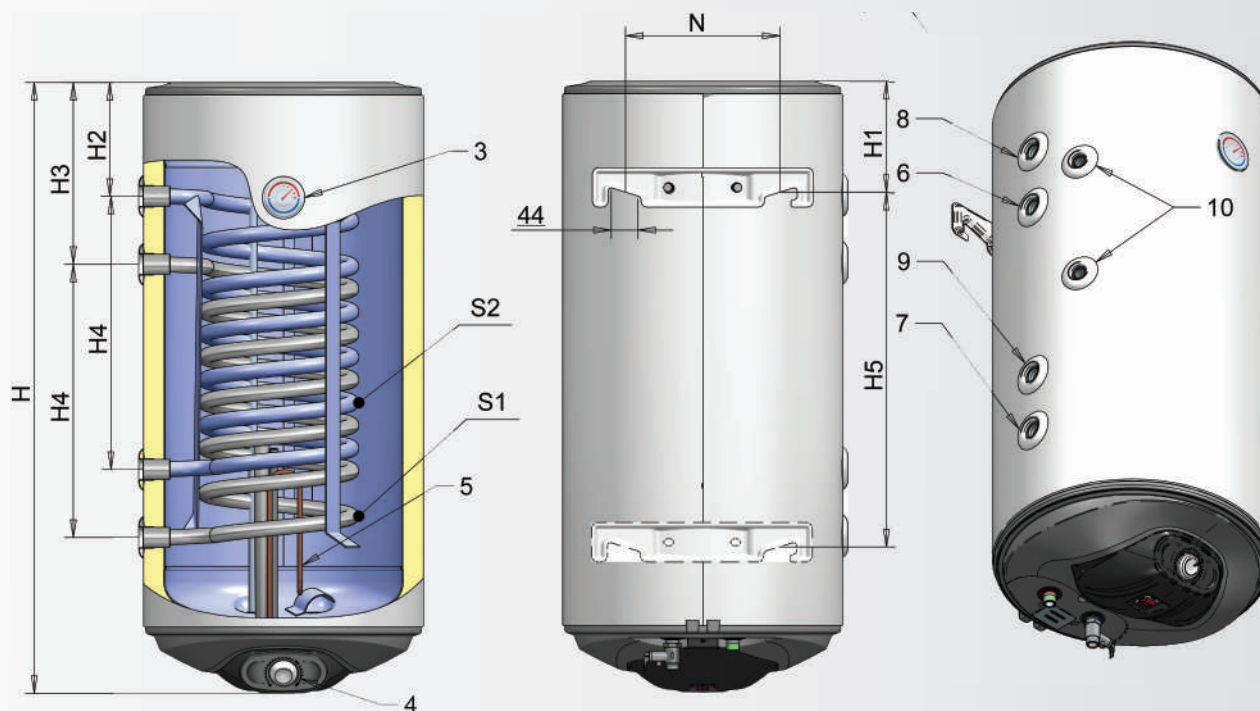
Water heaters type: indirect  
Installation: wall mounted, vertical  
Capacity: 100, 120 and 150l.  
Water tank: enameled

Two parallel heat exchangers built-in within the whole volume of the appliance use two energy sources and provide highly efficient water heating regardless the season. With the appropriate combination of operation modes of both heat exchangers, water can be heated without using electricity.



## 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 System;
- Specific elliptic flange for higher safety;
- Combined metal safety valve;
- Connections convenient for installation and maintenance;
- Mechanical or electronic control;
- Sensor socket for both heat exchangers;
- External capillary thermostat;
- Illuminated switch.



# COMBINED WATER HEATERS FOR WALL MOUNTING WITH TWO PARALLEL HEAT EXCHANGERS (S21)

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## SPECIFICATIONS

Parameters		WV10046S21L WV10046S21R		WV12046S21L WV12046S21R		WV15046S21L WV15046S21R	
Model	...	...	...	...	...	...	...
Volume group	...	...	...	...	...	...	...
Energy efficiency class	...	...	...	...	...	...	...
Rated pressure	Mpa	B	B	0.7	0.7	0.7	0.7
Volume	L	89	111	33	33	33	33
Insulation thickness	mm	41.5	51	58	58	58	58
Weight with packing	kg	...	...	...	...	...	...
<b>Heat exchanger (main heat)</b>							
Operating pressure	Mpa	1	1	1	1	1	1
Maximum temperature of the heating fluid	°C	95	95	95	95	95	95
Maximum temperature in the tank heated by a heat exchanger	°C	85	85	85	85	85	85
<b>Heat exchanger S1</b>							
Surface area	m <sup>2</sup>	0.36	0.53	0.53	0.53	0.53	0.53
Volume	L	1.72	2.58	2.58	2.58	2.58	2.58
Power according EN 12897	kW	8.6	12.7	12.7	12.7	12.7	12.7
Heat-up time according EN 12897	min	30	27	27	27	27	27
Pressure loss	mbar	35	40	40	40	40	40
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	143	183	183	183	183	183
<b>Heat exchanger S2</b>							
Surface area	m <sup>2</sup>	0.36	0.53	0.53	0.53	0.53	0.53
Volume	L	1.72	2.58	2.58	2.58	2.58	2.58
Power according EN 12897	kW	9.1	13.4	13.4	13.4	13.4	13.4
Heat-up time according EN 12897	min	22	21	21	21	21	21
Pressure loss	mbar	35	40	40	40	40	40
Maximum amount of drained water MIX 40°C according EN12897 when S2's energy source is off	L	111	149	149	149	149	149
<b>Electrical part (auxiliary heating)</b>							
Rated voltage	V~	230	230	230	230	230	230
Rated electrical power	kW	2/3	2/3	2/3	2/3	2/3	2/3
Heat-up time with electric heating element (up to 70°C) [2]	min	184/123	230/153	230/153	230/153	230/153	230/153
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75	75	75	75
<b>Connections</b>							
1: Hot water outlet		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
2: Cold water inlet - Drain		G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M	G1/2 M
3: Temperature indicator		yes	yes	yes	yes	yes	yes
4: Control panel		yes	yes	yes	yes	yes	yes
5: Flange with a heating element		yes	yes	yes	yes	yes	yes
6: Heat exchanger S1 - Feed		G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
7: Heat exchanger S1 - Return		G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
8: Heat exchanger S2 - Feed		G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
9: Heat exchanger S2 - Return		G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F	G3/4 F
10: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
11: Illuminated switch		yes	yes	yes	yes	yes	yes
<b>Dimensions</b>							
H	mm	1005	1170	1170	1170	1170	1170
H1	mm	185	185	185	185	185	185
D	mm	462	462	462	462	462	462
W1	mm	96	96	96	96	96	96
W	mm	484	484	484	484	484	484
H2	mm	187	184	184	184	184	184
H3	mm	300	290	290	290	290	290
H4	mm	450	630	630	630	630	630
H5	mm	-	753	753	753	753	753
N	mm	255	255	255	255	255	255

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



## COMBINED ELECTRONIC CONTROL

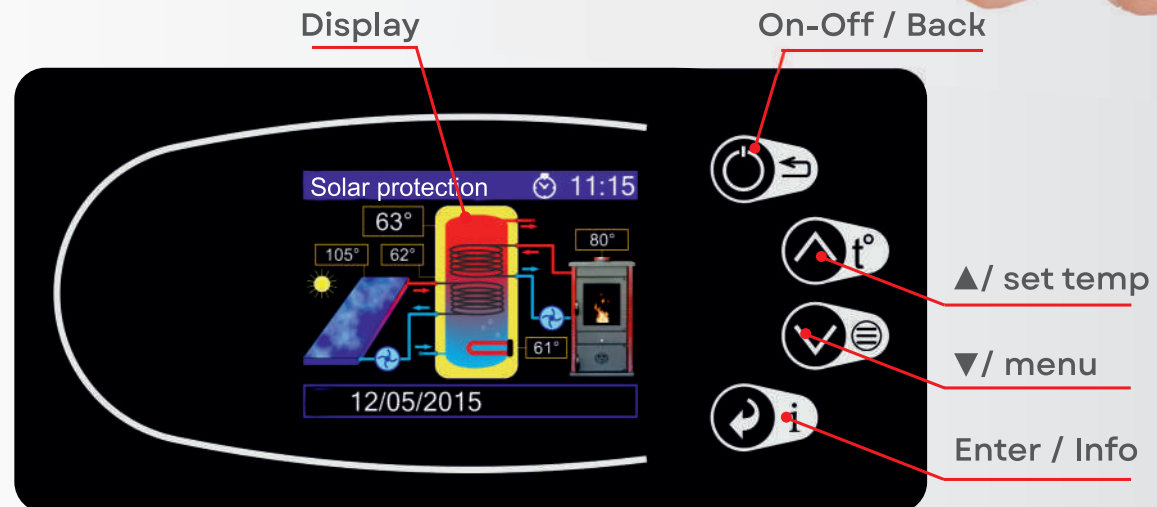
We introduce the unique combined electronic module which is designed for our ELDOM Green Line water heaters with exchangers. It combines the precise control of the operation of both the electric heating element and the solar water heating.

The online application MyELDOM provides you real-time information on the status of your water heating system. From your mobile device, you can remotely control all operating parameters of the combined ELDOM water heater.

The electronic control unit is distinguished by its modern and functional design and large color LCD display. This facilitates the process of adding new and useful functions for even more convenient use of the water heater and the entire system operation.

### DESCRIPTION

- The software automatically selects the most suitable and cheapest sources of heat energy
- Supplementary use of the electric heating element only in case of insufficient hot water heating by alternative energy sources;
- Anti-freeze function of both the water heater and the solar collector;
- Diagnostics of all circuits employed;
- Intelligent self-learning software;
- Programming the switch on and off of the electric heating element;
- Option for measuring the electricity consumption in kWh;
- Simultaneous displaying the temperatures of the water heater, the solar collector and the boiler;
- Language select setting;
- Holiday mode, preventing the system from overheating during long idle periods;
- The incorporation of the combined electronic device leads to additional energy savings.



**Heating Installation**

EL Heater ☒

Solar Collector ☒

Boiler ☒

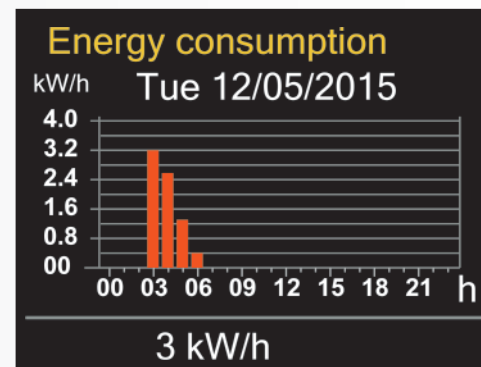
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Boiler Pump Mode

CH Priority

Heating Installation mode

Graphic information



Multi-function Mode 2  
Solar energy

**EL Boost Timers**

	Begin	End	Temp
<input checked="" type="checkbox"/>	03:00	06:00	70°
<input type="checkbox"/>	00:00	00:00	65°

MO TU WE TH FR SA SU

Time intervals definition

Days of the week

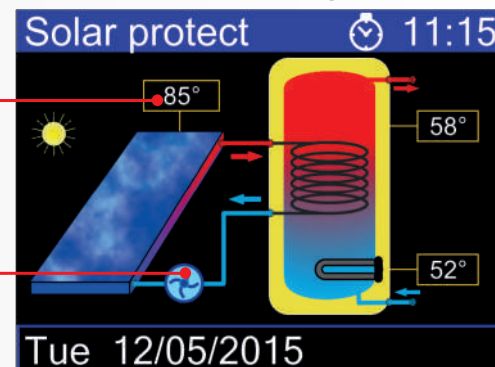
Multi-function Mode 3  
Intelligent pump control

**Pumps Control**

Pump	On	Off
Solar $\Delta t1$	08°	04°
Boiler		
DHW prior. $\Delta t2$	06°	04°
CH prior. $t4$	55°	48°

Temperature of the solar collector

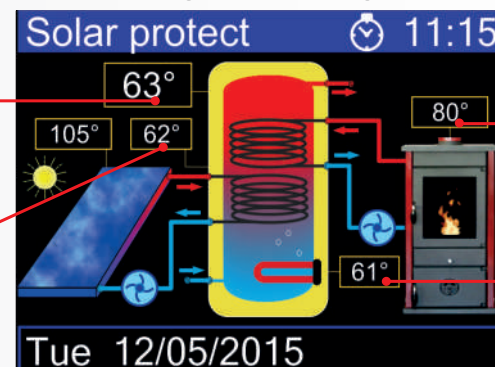
Solar collector pump



Multi-function Mode 4  
Solar energy + heating system

Temperature at the top of the water heater

Temperature in the middle of the water heater



Temperature of the boiler

Temperature in the lower part of the water heater

# HEAT PUMP WATER HEATERS

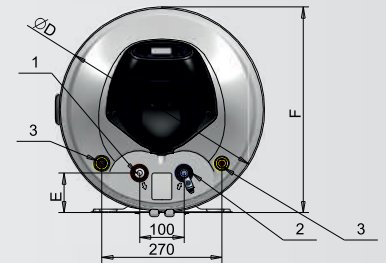
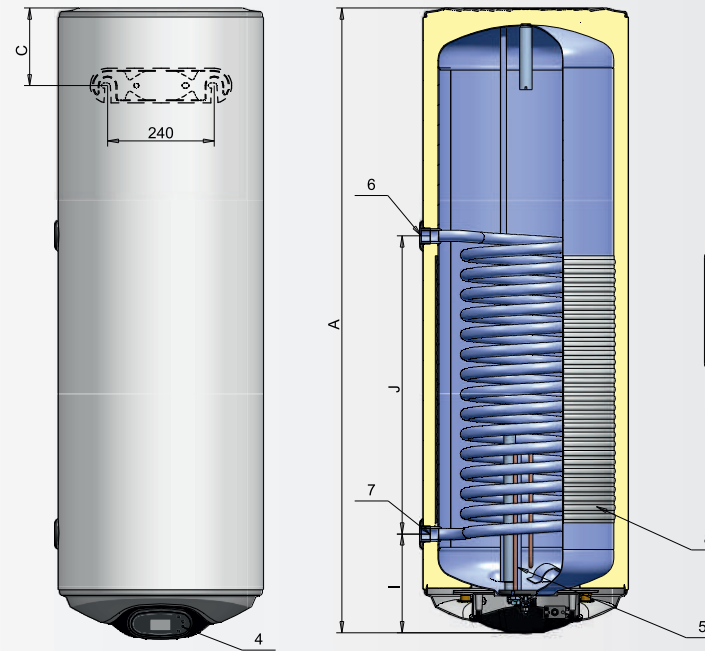
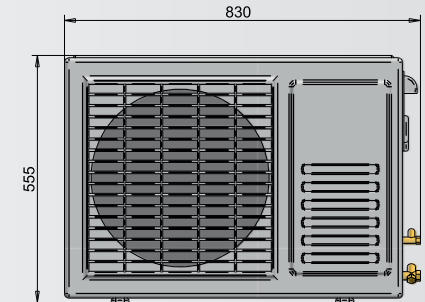


Heat pump system type: air-water  
 Installation: wall mounted, vertical  
 Capacity: 120 and 150l.  
 Water tank: enameled

We present to you the ELDOM Green Line Heat Pump Water Heaters with capacity 120 and 150L. They are last generation “air-water” type with the highest class of energy efficiency. The Heat Pump Water Heaters successfully replace the traditional electrical water heaters. The models with heat exchangers work throughout the whole year with minimal consumption of electricity thanks to their connection to a second energy source.

## *i* DESCRIPTION

- Over three times less power consumption - COP up to 1:3,4;
- Easy replacement of your old electrical water heater due to the identical dimensions;
- Affordable investment - the cost are refunded in a period of up to 3 years;
- Maximum temperature of 55°C of the water heated by the air energy;
- Optional additional heating up to 75°C by means of an electric heating element;
- Japanese electronic thermal valve providing high efficiency of the heat pump even if the external temperature is low;
- Innovative condenser - ELDOM Heat Pump Water Heater is equipped with aluminium heat exchanger with big heat exchanging area which is covering the tank from the outside;
- Smart electronic control from the highest class incorporated in the water heater;
- Legionella protection function;
- Models with a heat exchanger;
- For maximum efficiency of the Heat Pump System, we recommend no more than 8 meters distance between the water heater and the compressor.





# HEAT PUMP WATER HEATERS

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## SPECIFICATIONS

Parameters		HPWH120	HPWH150	HPWH120S	HPWH150S
Model	...	A	A	A	A
Energy efficiency class	...	A	A	A	A
Rated voltage	V~	230	230	230	230
Annual electricity consumption (average climate conditions)	kWh/annum	551	1258	551	1258
Indoor unit model	...	WV12046HP	WV15046HP	WV12046SLHP	WV15046SLHP
Volume range	L	120	150	120	150
Rated pressure	Mpa	0,7	0,7	0,7	0,7
Rated electric heating capacity	W	2000	2000	2000	2000
Heat exchanger surface area	m <sup>2</sup>	-	-	0,65	0,89
Heat exchanger inside volume	L	-	-	3,15	4,3
Thermal power heat exchanger according EN 12897 (15-60°C; 15 l/min; 80°C)	kW	-	-	11,5	16,7
Warm-up time from 15-60 °C with heat exchanger (15 l/min; 80°C) (EN 12897)	min	-	-	20	21
Pressure drop across the coil	mbar	-	-	50	55
Weight with packaging (indoor unit)	kg	40,5	52	49,5	64
Outdoor unit model	...	YASB-010	YASB-010	YASB-010	YASB-010
Rated heat pump heating capacity	W	1500	1500	1500	1500
Rated heat pump power input	W	500	500	500	500
Max heat pump power input	W	850	850	850	850
Refrigerant R134A	kg	0,85	0,85	0,85	0,85
	Tonnes Co2 Equivalent	1,22	1,22	1,22	1,22
	GWP	1430	1430	1430	1430
Working heat pump temperature range	°C	-5 ÷ 42	-5 ÷ 42	-5 ÷ 42	-5 ÷ 42
Max high pressure (Refrigerant circuit)	Mpa	2,7	2,7	2,7	2,7
Net weight outdoor unit	kg	27	27	27	27
<b>Connections</b>					
1: Hot water outlet		G1/2M	G1/2M	G1/2M	G1/2M
2: Cold water inlet - Drain		G1/2M	G1/2M	G1/2M	G1/2M
3: Refrigerant connections		1/4&3/8	1/4&3/8	1/4&3/8	1/4&3/8
4: Control panel		yes	yes	yes	yes
5: Flange with a heating element		yes	yes	yes	yes
6: Heating coil - Feed		yes	yes	G3/4F	G3/4F
7: Heating coil - Return		yes	yes	G3/4F	G3/4F
8: Aluminium roll - bond condenser		yes	yes	yes	yes
<b>Dimensions</b>					
A	mm	1170	1420	1170	1420
C	mm	185	185	185	185
D	mm	462	462	462	462
E	mm	96	96	96	96
F	mm	484	484	484	484
G	mm	33	33	33	33
I	mm	-	-	230	230
J	mm	-	-	670	670

## COMBINED FLOOR STANDING WATER HEATERS





# COMBINED FLOOR STANDING WATER HEATERS

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The ELDOM Green Line floor standing water heaters are intended to deliver hot water to large consumers. They are floor standing in the service rooms in detached houses, family hotels and small productions plants. The combination of different

energy sources, the options for mounting of an additional thermostat and a heating element, the circulation socket and thermomanometer allow the full control and optimization of the water heating process.



Renewable green energy



SHIELD technology - a unique formula of wear-resistant enamel coating with increased levels of zirconium



Models with intelligent electronic control, providing supplementary energy saving



Two magnesium anodes in each of our water heater models



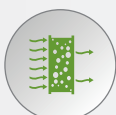
Floor standing models



All water heater models are featured with an anti-freeze mode



Possibility for temperature control through external capillary thermostat



Thick insulation made of CFC-free polyurethane foam for minimal heat losses and energy saving



Models with a heat exchanger located at the bottom of the water heater, featured with increased surface for connection with a solar collector or a heat pump



Electric tubular heating element produced in Eldominvest using the last generation technology



Possibility to control the cathode protection through an anode tester



Temperature indicator



Safety valve with 3 protective functions



The widest variety of water heaters, covering all needs



High level of safety and reliability, guaranteed by the unique six level protection system



Models with a heat exchanger located at the top of the water heater, operating in an instantaneous mode for connection with a boiler or a fireplace



Replacement kit (flange, heating element, anode)



Sockets for thermal sensors



Water, suitable for drinking



Easy assembly and maintenance



# SOLAR FLOOR STANDING WATER HEATERS WITH ONE HEAT EXCHANGER (S)

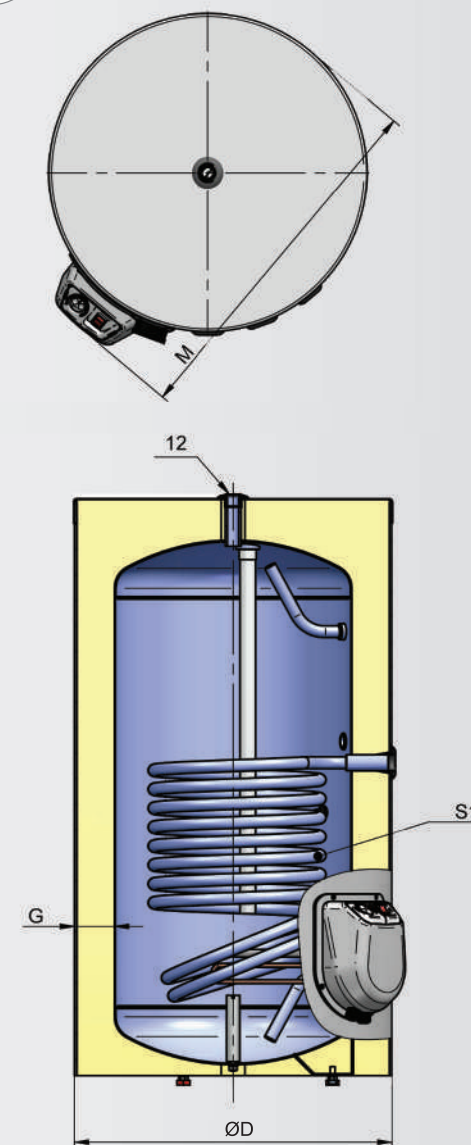
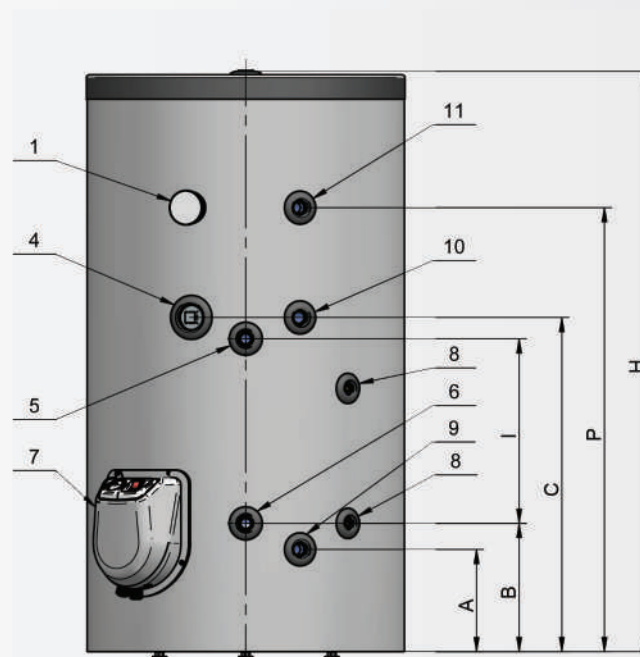


Water heaters type: indirect  
Installation: floor standing  
Capacity: 150, 200, 300 and 500l.  
Water tank: enameled

Our S series models are equipped with a heat exchanger with enlarged heat exchanging surface. It is mounted in the lower section of the appliance and it is able to accumulate the maximum of the source heat. These models are designed for connection to solar systems, but due to the large heat exchanging surface they are also suitable for universal usage. Models with integrated combined electronic control (Ek) are available for each capacity.

## 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;
- Sensor socket for the heat exchanger;
- Socket for mounting of an additional heating element;
- Circulation socket;
- External thermostat;
- Combined metal safety valve;
- Casing made of synthetic INOX-coloured wear-resistant material;
- Thermometer for all models;
- Optional replacing kit (flange, heating element/s and anode);
- Mechanical or electronic control.



# SOLAR FLOOR STANDING WATER HEATERS WITH ONE HEAT EXCHANGER (S)

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## SPECIFICATIONS

Parameters		FV150060S	FV200060S	FV300067S	FV500080S
Model	...	150	200	300	500
Volume group	...	B	B	B	B
Energy efficiency class	...	B	B	B	B
Rated pressure	Mpa	0.8	0.8	0.8	0.8
Volume	L	145	186	264	476
Insulation thickness	mm	75	75	85	80
Gross weight	kg	60	74	88	150
<b>Heat exchanger (main heat)</b>					
Operating pressure	Mpa	1	1	1	1
Maximum temperature of the heating fluid	°C	110	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	95/85
Surface area	m <sup>2</sup>	0.67	0.90	1.12	1.85
Volume	L	3.2	4.3	5.4	12.2
NL	...	...	3.6	8	15
Continuous output according DIN 4708	kW	...	25	35	58
Flow rate according DIN 4708	L/min	...	10	14	24
Power according EN 12897	kW	13.7	18.6	19.3	25
Heat-up time according EN 12897	min	21	28.8	39.4	54.9
Pressure loss	mbar	80	120	50	35
Maximum amount of drained water MIX 40°C according EN12897 when SI's energy source is off	L	158	286	406	699
<b>Electrical part (auxiliary heating)</b>					
Rated voltage	V	O/230~	O/230~	O/230~/400 3N~	O/230~/400 3N~
Rated electrical power	kW	O/3	O/3	O/3/6/9	O/3/6/9
Heat-up time with electric heating element (up to 70°C) [2]	min	---/185	---/235	---/330/165/110	---/580/290/195
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75	75
<b>Connections</b>					
1: Thermometer		yes	yes	yes	yes
4: Additional socket		G1/2 F	G1/2 F	G1/2 F	G1/2 F
5: S1 - Feed		G3/4 F	G3/4 F	G3/4 F	G1 F
6: S1 - Return		G3/4 F	G3/4 F	G3/4 F	G1 F
7: Flange with a heating element		yes	yes	yes	yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain		G3/4 F	G3/4 F	G3/4 F	G1 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G1 F
12: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G1/1/4 F
<b>Dimensions</b>					
A	mm	210	210	210	265
B	mm	260	260	265	320
C	mm	660	855	840	1000
D	mm	600	600	670	800
G	mm	75	75	85	80
H	mm	1150	1430	1605	1765
I	mm	355	550	530	630
M	mm	690	690	760	890
P	mm	890	1155	1315	1425

1. All values in the table are approximate.

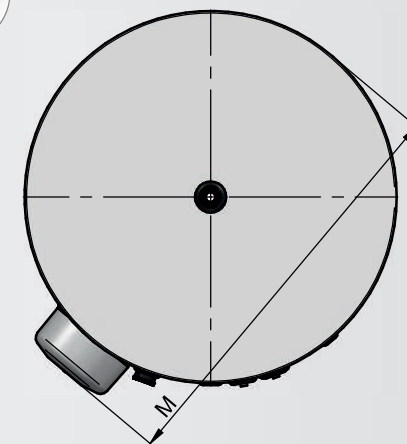
2. The heat-up time with the electric resistance heater is for actual capacity.

# BIG CAPACITY COMBINED FLOOR STANDING WATER HEATERS FROM 750 TO 2000L (S)



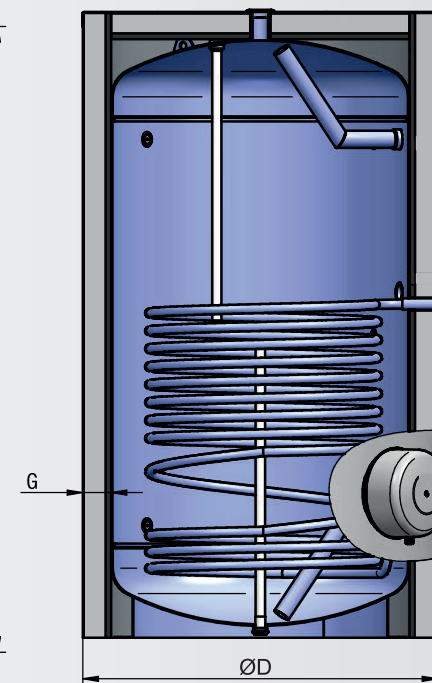
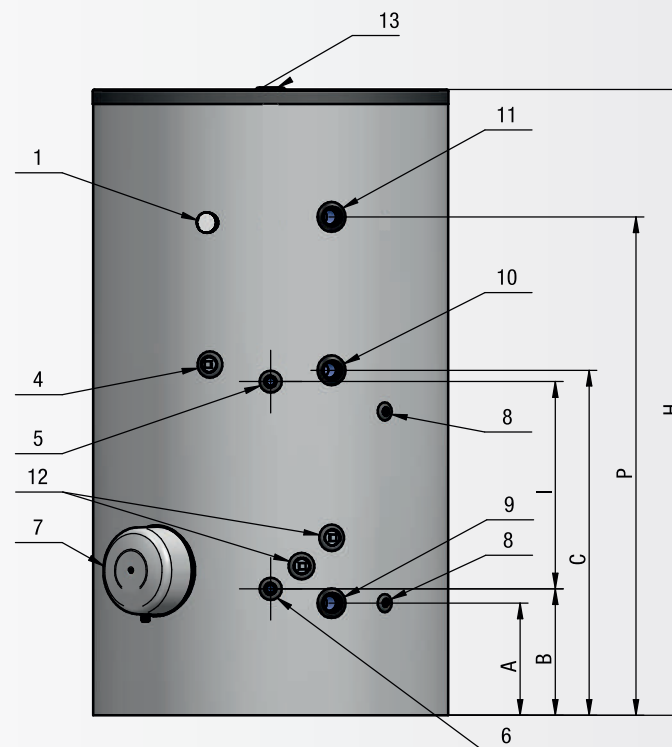
Water heaters type: indirect  
Installation: floor standing  
Capacity: from 750 to 2000l.  
Water tank: enameled

This group of water heaters has very high energy efficiency that can meet the needs of large consumers. These models are suitable for connections to solar collectors or heat pump. The heat exchanger large area allows for universal use of these water heaters.



## 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).





# BIG CAPACITY COMBINED FLOOR STANDING WATER HEATERS FROM 750 TO 2000L (S)

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## SPECIFICATIONS

Parameters		FV75010FS	FV10010FS	FV15013FS	FV20014FS
Model	...	750	1000	1500	2000
Volume group	...	...	...	...	...
Energy efficiency class	...	...	...	...	...
Rated pressure	Mpa	0.6	0.6	0.8	0.8
Volume	L	738	936	1455	2000
Insulation thickness	mm	80	80	100	100
Gross weight	kg	197	235	370	477
<b>Heat exchanger (main heat)</b>					
Operating pressure	Mpa	1	1	1	1
Maximum temperature of the heating fluid	°C	110	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	95/85
Surface area	m²	2.03	3.04	3.04	4.25
Volume	L	13.3	20	20	27.9
NL	...	19	30	35	45
Continuous output according DIN 4708	kW	65	94	91	130
Flow rate according DIN 4708	L/min	27	39	38	54
Power according EN 12897	kW	26.2	34	31	41
Heat-up time according EN 12897	min	76.6	77	117	111
Pressure drop	mbar	50	70	70	80
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	1058	1390	1934	2515
<b>Electrical part (auxiliary heating)</b>					
Rated voltage	V	O/400 3N~	O/400 3N~	O/400 3N~	O/400 3N~
Rated electrical power	kW	O/9/12	O/9/12	O/9/12	O/9/12
Heat-up time with electric heating element (up to 70°C) [2]	min	---/285/215	---/375/285	---/550/410	---/740/555
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75	75
<b>Connections</b>					
1: Thermometer		yes	yes	yes	yes
4: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed		G1 F	G1 F	G1 F	G1 F
6: S1 - Return		G1 F	G1 F	G1 F	G1 F
7: Flange with a heating element		yes	yes	yes	yes
8: Socket for thermostat		G11/2 F	G11/2 F	G11/2 F	G11/2 F
9: Fresh water inlet - Drain		G11/2 F	G11/2 F	G2 F	G2 F
10: Recirculation		G3/4 F	G3/4 F	G2 F	G2 F
11: Hot water outlet		G11/2 F	G11/2 F	G2 F	G2 F
12: Additional socket		-	-	G11/2 F	G11/2 F
13: Hot water outlet		G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>					
A	mm	330	330	395	415
B	mm	420	420	445	465
C	mm	950	1110	1215	1255
D	mm	1010	1010	1250	1400
G	mm	80	80	100	100
H	mm	1655	2000	2210	2255
I	mm	470	630	730	730
M	mm	1110	1110	1385	1535
P	mm	1280	1620	1755	1775

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

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

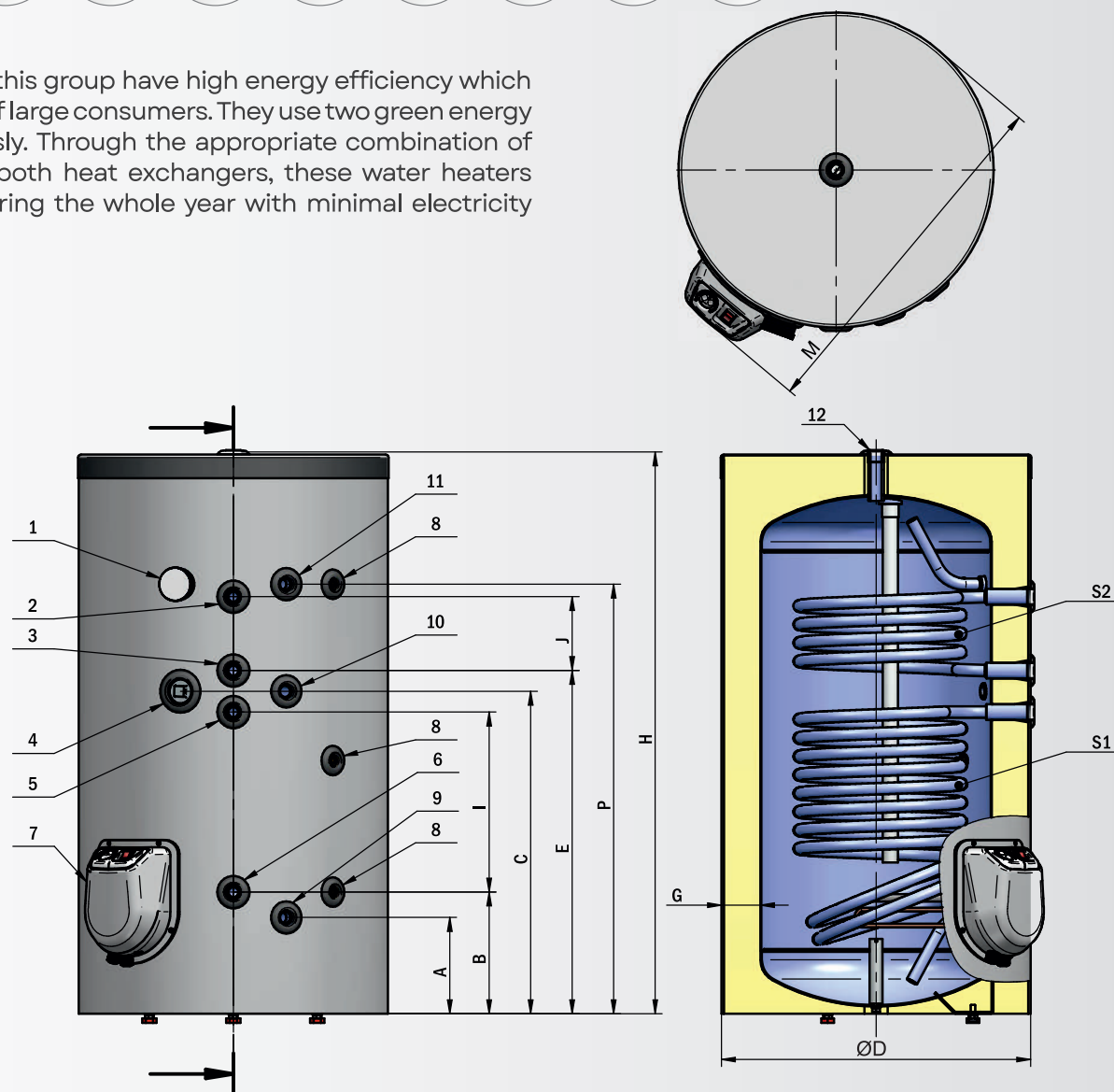


Water heaters type: indirect  
Installation: floor standing  
Capacity: 150, 200, 300 and 500l.  
Water tank: enameled

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.

## 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).



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

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## SPECIFICATIONS

Parameters		FV15060S2	FV20060S2	FV30067S2	FV50080S2
Model	...	150	200	300	500
Volume group	...	B	B	B	B
Energy efficiency class	...	B	B	B	B
Rated pressure	Mpa	0.8	0.8	0.8	0.8
Volume	L	141	184	258	465
Insulation thickness	mm	75	75	85	80
Gross weight	kg	65	84	99	166
<b>Heat exchanger (main heat)</b>					
Operating pressure	Mpa	1	1	1	1
Max. temperature of the heating fluid	°C	110	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	95 / 85
<b>Heat exchanger S1</b>					
Surface area	m <sup>2</sup>	0.67	0.90	1.12	1.85
Volume	L	3.2	4.3	5.4	12.2
NL	...	...	3.6	8	15
Continuous output according DIN 4708	kW	...	25	35	58
Flow rate according DIN 4708	L/min	...	10	14	24
Power according EN 12897	kW	13.7	18.6	19.3	25
Heat-up time according EN 12897	min	21	28.8	39.4	54.9
Pressure loss	mbar	80	120	50	35
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S1 is off	L	158	286	406	699
<b>Heat exchanger S2</b>					
Surface area	m <sup>2</sup>	0.3	0.38	0.86	1.15
Volume	L	1.4	1.8	4.2	7.6
NL	...	...	1	1.8	2.3
Continuous output according DIN 4708	kW	...	10	25	32
Flow rate according DIN 4708	L/min	...	4.2	10	13
Power according EN 12897	kW	7	8.7	18.3	21.4
Heat-up time according EN 12897	min	19.5	23	18.6	29.6
Pressure loss	mbar	80	15	55	55
Maximum amount of drained water MIX 40 °C according EN 12897 when the power S2 is off	L	75	107	175	327
<b>Electrical part (auxiliary heating)</b>					
Rated voltage	V	0 / 230~	0 / 230~	0/230~/400 0/3N~	0/230~/400 0/3N~
Rated electrical power	kW	0 / 3	0 / 3	0 / 3 / 6 / 9	0 / 3 / 6 / 9
Time of heating with electric resistance heater up to 70°C [2]	min	---	175	---	---
Maximum temperature in the tank of heated with electric resistance heater	°C	75	75	75	75
<b>Connections</b>					
1: Thermometer		yes	yes	yes	yes
2: S2 - Feed		G3/4 M	G3/4 M	G3/4 M	G1 F
3: S2 - Return		G3/4 M	G3/4 M	G3/4 M	G1 F
4: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed		G3/4 M	G3/4 M	G3/4 M	G1 F
6: S1 - Return		G3/4 M	G3/4 M	G3/4 M	G1 F
7: Flange with a heating element		yes	yes	yes	yes
8: Socket for thermostat		G11/2 F	G11/2 F	G11/2 F	G11/2 F
9: Fresh water inlet - Drain		G3/4 F	G3/4 F	G3/4 F	G1 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G1 F
12: Hot water outlet		G3/4 F	G3/4 F	G3/4 F	G11/4 F
<b>Dimensions</b>					
A	mm	210	210	210	265
B	mm	260	260	265	320
C	mm	660	855	840	1000
D	mm	600	600	670	800
E	mm	705	900	885	1045
G	mm	75	75	85	80
H	mm	1150	1430	1605	1765
I	mm	355	550	530	630
J	mm	160	230	400	380
M	mm	690	690	760	890
P	mm	890	1155	1315	1425

1. All values in the table are approximate.

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



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

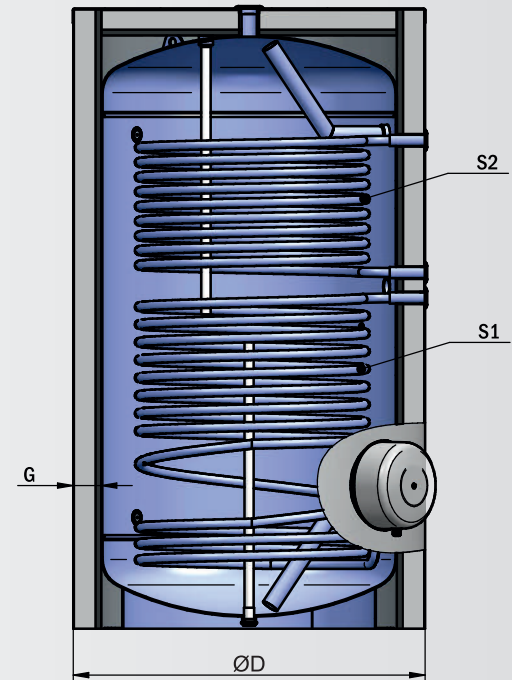
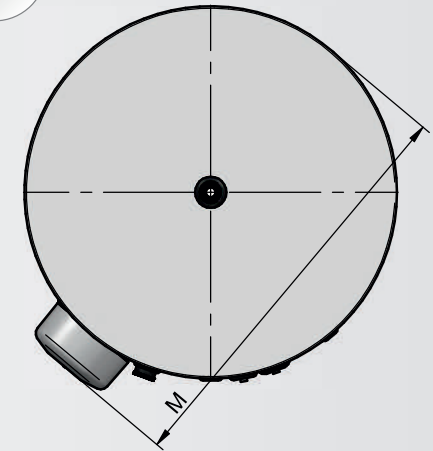
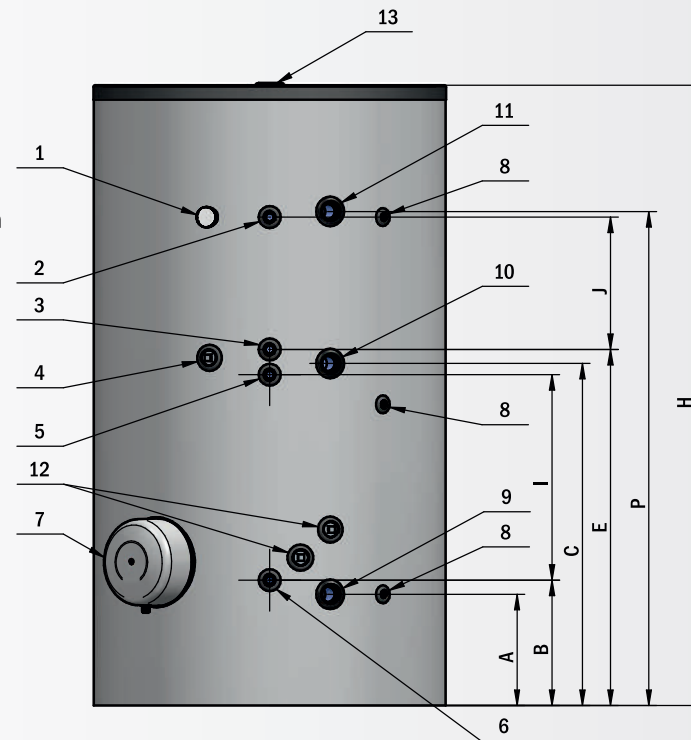


Water heaters type: indirect  
Installation: floor standing  
Capacity: 750, 1000, 1500, 2000l.  
Water tank: enameled

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 dismounting;
- Zipped lining of wear-resistant a synthetic fabric in INOX color;
- Thermometer;
- External thermostat;
- Optional replacing kit (flange, heating element/s and anode).



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

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## SPECIFICATIONS

Parameters		FV75010FS2	FV10010FS2	FV15013FS2	FV20014FS2
Model	...	750	1000	1500	2000
Volume group	...	-	-	-	-
Energy efficiency class	...	0.6	0.6	0.8	0.8
Rated pressure	Mpa	721	920	1455	1978
Volume	L	80	80	100	100
Insulation thickness	mm	243	278	408	515
Gross weight	kg	1	1	1	1
<b>Heat exchanger (main heat)</b>					
Operating pressure	Mpa	110	110	110	110
Max. temperature of the heating fluid	°C	95/85	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				
<b>Heat exchanger S1</b>					
Surface area	m <sup>2</sup>	2.03	3.04	3.04	4.25
Volume	L	13.3	20	20	27.9
NL	...	19	30	35	45
Continuous output according DIN 4708	kW	65	94	91	130
Flow rate according DIN 4708	L/min	27	39	38	54
Power according EN 12897	kW	26.2	34	31	41
Heat-up time according EN 12897	min	76.6	77	117	111
Pressure loss	mbar	50	70	70	80
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	1058	1390	1934	2515
<b>Heat exchanger S2</b>					
Surface area	m <sup>2</sup>	1.22	2.03	2.03	2.73
Volume	L	8	13.3	13.3	18
NL	...	5	16	18	20
Continuous output according DIN 4708	kW	35	57	56	76
Flow rate according DIN 4708	L/min	14	23	23	31
Power according EN 12897	kW	19.7	28	26	33
Heat-up time according EN 12897	min	49.5	42	50	60
Pressure loss	mbar	20	40	30	50
Maximum amount of drained water MIX 40°C according EN12897 when S2's energy source is off	L	519	650	712	1085
<b>Electrical part (auxiliary heating)</b>					
Rated voltage	V	0/400 3N~	0/400 3N~	0/400 3N~	0/400 3N~
Rated electrical power	kW	0/9/12	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	---/540/405	---/730/550
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75	75
<b>Connections</b>					
1: Thermometer		yes	yes	yes	yes
2: S2 - Feed		G1 F	G1 F	G1 F	G1 F
3: S2 - Return		G1 F	G1 F	G1 F	G1 F
4: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed		G1 F	G1 F	G1 F	G1 F
6: S1 - Return		G1 F	G1 F	G1 F	G1 F
7: Flange with a heating element		yes	yes	yes	yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F
9: Fresh water inlet - Drain		G11/2 F	G11/2 F	G2 F	G2 F
10: Recirculation		G3/4 F	G3/4 F	G2 F	G2 F
11: Hot water outlet		G11/2 F	G11/2 F	G2 F	G2 F
12: Additional socket		-	-	G11/2 F	G11/2 F
13: Hot water outlet		G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>					
A	mm	330	330	395	415
B	mm	420	420	445	465
C	mm	950	1110	1215	1255
D	mm	1010	1010	1250	1400
E	mm	990	1150	1265	1285
G	mm	80	80	100	100
H	mm	1655	2000	2210	2255
I	mm	470	630	730	730
J	mm	290	470	470	470
M	mm	1110	1110	1385	1535
P	mm	1280	1620	1755	1775

1. All values in the table are approximate.

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

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

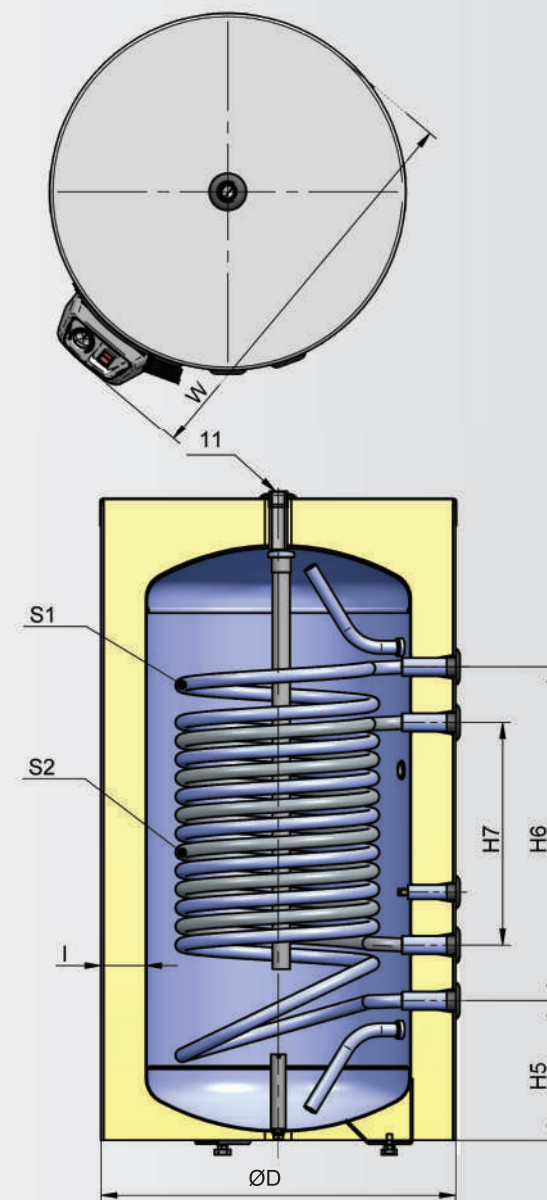
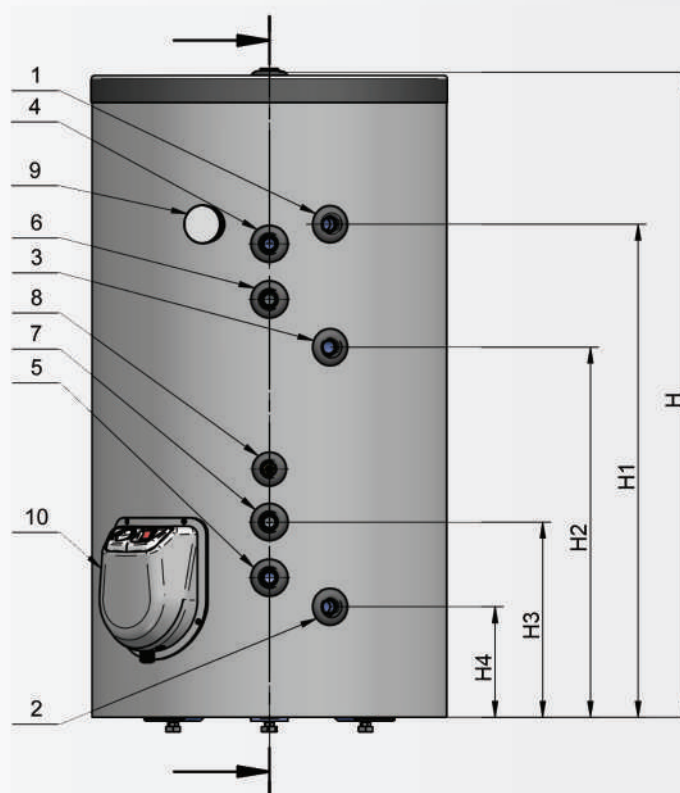


Water heaters type: indirect  
Installation: floor standing  
Capacity: 200, 300 and 500l.  
Water tank: enameled

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.

## *i* 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)

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## 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	L	184	256	465
Volume	mm	kg	75	85	80
Insulation thickness			81	104	170
Gross weight					
<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>		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
<b>Heat exchanger S2</b>					
Surface area	m <sup>2</sup>		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
<b>Electrical part (auxiliary heating)</b>					
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
<b>Connections</b>					
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 1/4 F
<b>Dimensions</b>					
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.

# MONOVALENT WATER HEATERS FOR HEAT PUMP SYSTEMS (D1)

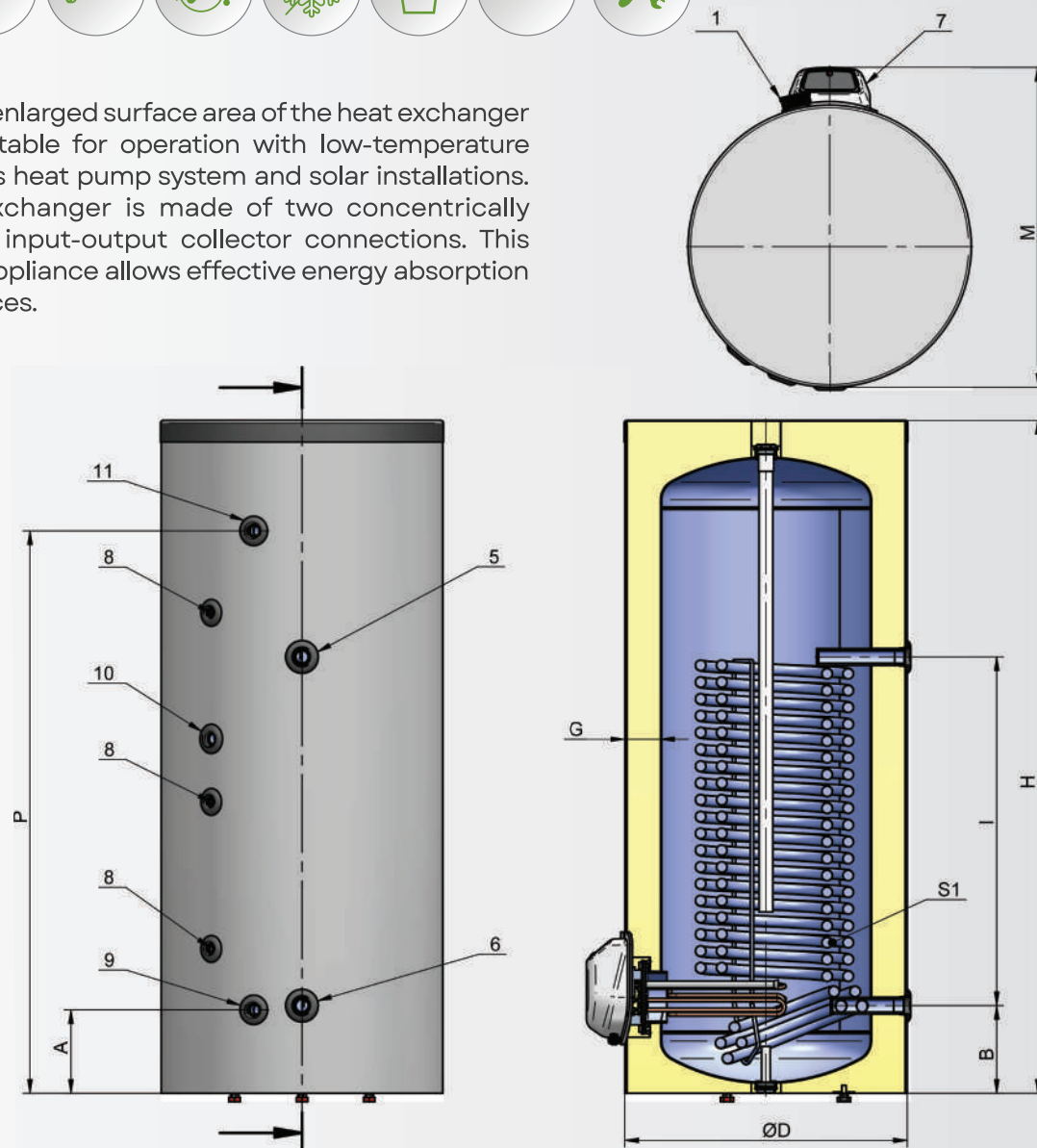


Water heaters type: indirect  
Installation: floor standing  
Capacity: 200, 300 and 500l.  
Water tank: enameled

These models have an enlarged surface area of the heat exchanger and are extremely suitable for operation with low-temperature energy sources such as heat pump system and solar installations. The powerful heat exchanger is made of two concentrically positioned coils, with input-output collector connections. This design feature of the appliance allows effective energy absorption from the two heat sources.

## DESCRIPTION

- Energy class B. The appliances have insulation of directly injected CFC Free PPU with low thermal conductivity of 0.023 W/m<sup>2</sup>K and thickness exceeding 80 mm to guarantee lower losses;
- SHIELD technology – the water tank has zirconia-based coating with lithium and cobalt oxides applied through liquid processing to make the coating more durable and resistant to high temperatures, linear expansions and high corrosion resistance;
- Two-stage anticorrosion protection – with 2 heavy magnesium anode protectors;
- Recirculation coupling;
- The appliance is optimized for integration in HVAC systems with automated control – it has three thermal sensor couplings;
- Housing of synthetic wear-proof material with INOX color;
- Precise thermometer.



# MONOVALENT WATER HEATERS FOR HEAT PUMP SYSTEMS (D1)

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## SPECIFICATIONS

Parameters		FV20067D1	FV30067D1	FV50080D1
Model	...	200	300	500
Volume group	...	B	B	B
Energy efficiency class	...	0.8	0.8	0.8
Rated pressure	Mpa	182	249	441
Volume	L	85	85	80
Insulation thickness	mm	89	121	192
Gross weight	kg			
<b>Heat exchanger (main heat)</b>				
Operating pressure	Mpa	1	1	1
Maximum 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
Surface area	m²	2.07	3.11	5.06
Volume	L	10	15	33.2
NL [2]	...	7	13	25
Continuous output according DIN 4708	kW	59	81	135
Flow rate according DIN 4708	L/min	24	33	55
Power according EN 12897	kW	36	47	65
Heat-up time according EN 12897	min	16.5	16.5	20
Pressure loss	mbar	40	45	65
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off	L	305	401	675
<b>Electrical part (auxiliary heating)</b>				
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) [3]	min	---/230	---/320/161/107	---/570/285/190
Maximum temperature in the tank when heated with electric heating element	°C	75	75	75
<b>Connections</b>				
1: Thermometer		yes	yes	yes
5: S1 - Feed		G1 F	G1 F	G1 1/4 F
6: S1 - Return		G1 F	G1 F	G1 1/4 F
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	G1 F
10: Recirculation		G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet		G3/4 F	G3/4 F	G1 F
<b>Dimensions</b>				
A	mm	190	190	230
B	mm	200	200	240
D	mm	670	670	800
G	mm	85	85	80
H	mm	1215	1605	1765
I	mm	560	830	890
M	mm	760	760	890
P	mm	950	1330	1455

1. All values in the table are approximate.

2. The declared values of the NL coefficient are determined according to DIN 4708 under the following conditions:

- Water temperature entering inlet pipe of the appliance heat exchanger - 80°C.
- Cold water temperature entering the appliance - 10°C.
- Water heating temperature in the appliance - 60°C.

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

Note: Transformation of the coefficient of performance at different water temperatures in the tank:

- 65 °C - 1,0\*NL
- 55 °C - 0,75\*NL
- 50 °C - 0,55\*NL
- 45 °C - 0,3\*NL

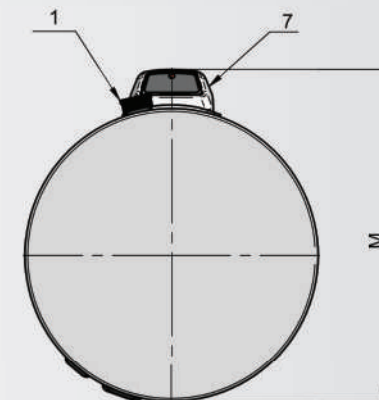


## BIVALENT WATER HEATERS FOR LOW-TEMPERATURE SYSTEMS (D2)



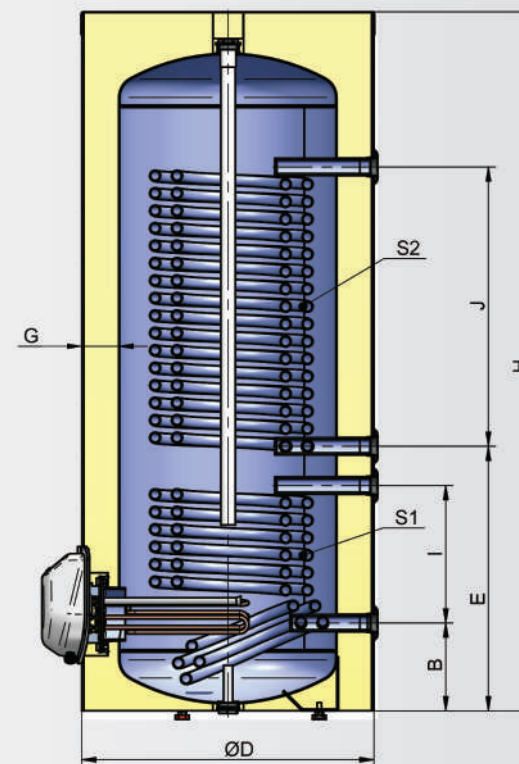
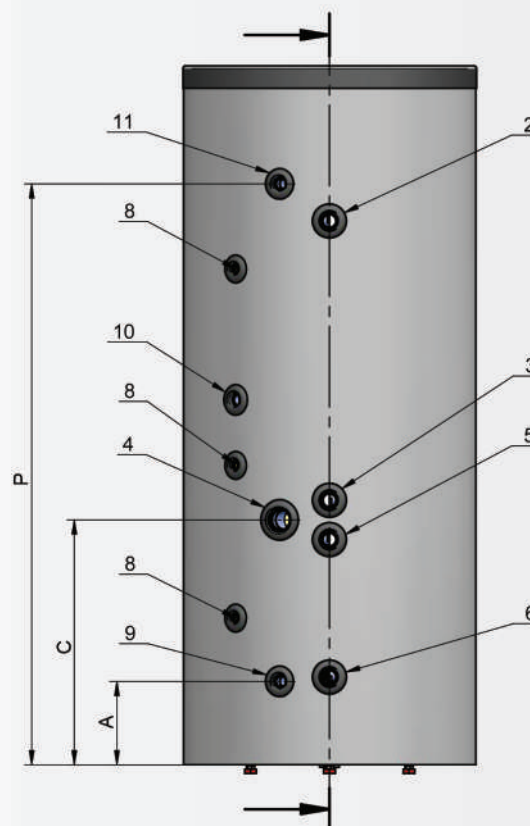
Water heaters type: indirect  
Installation: floor standing  
Capacity: 200, 300 and 500l.  
Water tank: enameled

These models have two heat exchangers with an enlarged surface area and are extremely suitable for operation with two low-temperature energy sources such as heat pump system and solar installations. Each heat exchanger is made of two concentrically positioned coils, with input-output collector connections. This design feature of the appliance allows effective energy absorption from the two heat sources.



### *i* DESCRIPTION

- Energy class B. The appliances have insulation of directly injected CFC Free PPU with low thermal conductivity of 0.023 W/m<sup>2</sup>K and thickness exceeding 80 mm to guarantee lower losses;
- SHIELD technology – the water tank has zirconia-based coating with lithium and cobalt oxides applied through liquid processing to make the coating more durable and resistant to high temperatures, linear expansions and high corrosion resistance;
- Two-stage anticorrosion protection – with 2 heavy magnesium anode protectors;
- Recirculation coupling;
- The appliance is optimized for integration in HVAC systems with automated control – it has three thermal sensor couplings;
- Precise thermometer;
- Housing of synthetic wear-proof material with INOX color.



# BIVALENT WATER HEATERS FOR LOW-TEMPERATURE SYSTEMS (D2)

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## SPECIFICATIONS

Parameters			FV20067D2	FV30067D2	FV50080D2
Model		...	200	300	500
Volume group		...	B	B	B
Energy efficiency class		...	0.8	0.8	0.8
Rated pressure		Mpa	180	246	435
Volume		L	85	85	80
Insulation thickness		mm	100	129	206
Gross weight		kg	1	1	1
<b>Heat exchanger (main heat)</b>					
Operating pressure		Mpa	110	95/85	95/85
Max. temperature of the heating fluid		°C			
Maximum temperature in the tank heated by a heat exchanger. Appliance without / with auxiliary electric immersion heating element.		°C			
<b>Heat exchanger S1</b>					
Surface area		m <sup>2</sup>	0.75	1.19	2.03
Volume		L	3.6	5.7	13.3
NL		...	4	8	18
Continuous output according DIN 4708		kW	22	35	60
Flow rate according DIN 4708		L/min	9	14	24
Power according EN 12897		kW	13	21	24.7
Heat-up time according EN 12897		min	45	40	57
Pressure loss		mbar	30	35	35
Maximum amount of drained water MIX 40°C according EN12897 when S1's energy source is off		L	301	424	736
<b>Heat exchanger S2</b>					
Surface area		m <sup>2</sup>	1.63	2.37	3.8
Volume		L	7.9	11.5	25
NL		...	7	12	25
Continuous output according DIN 4708		kW	42	65	81
Flow rate according DIN 4708		L/min	17	27	33
Power according EN 12897		kW	27	30.6	39.3
Heat-up time according EN 12897		min	9	16.9	22.3
Pressure loss		mbar	15	15	55
Maximum amount of drained water MIX 40°C according EN12897 when S2's energy source is off		L	135	261	450
<b>Electrical part (auxiliary heating)</b>					
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
<b>Connections</b>					
1: Thermometer			yes	yes	yes
2: S2 - Feed			G1 F	G1 F	G11/4 F
3: S2 - Return			G1 F	G1 F	G11/4 F
4: Additional socket			G11/2 F	G11/2 F	G11/2 F
5: S1 - Feed			G1 F	G1 F	G11/4 F
6: S1 - Return			G1 F	G1 F	G11/4 F
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	G1 F
10: Recirculation			G3/4 F	G3/4 F	G3/4 F
11: Hot water outlet			G3/4 F	G3/4 F	G1 F
<b>Dimensions</b>					
A		mm	190	190	230
B		mm	200	200	240
C		mm	445	560	645
D		mm	670	670	800
E		mm	490	605	700
G		mm	85	85	80
H		mm	1215	1605	1765
I		mm	200	315	350
J		mm	440	640	675
M		mm	760	760	890
P		mm	950	1330	1455

1. All values in the table are approximate.

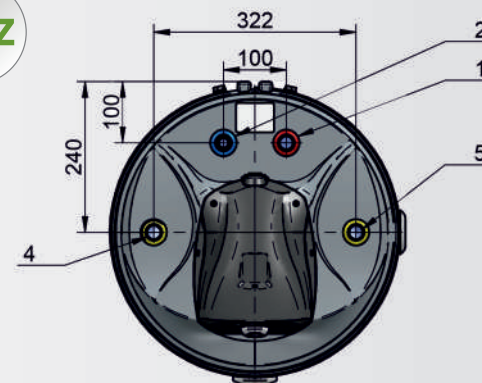
2. The heat-up time with the electric resistance heater is for actual capacity.

# COMBINED FLOOR STANDING WATER HEATERS WITH ONE HEAT EXCHANGER FOR GAS INSTALLATIONS (TST)



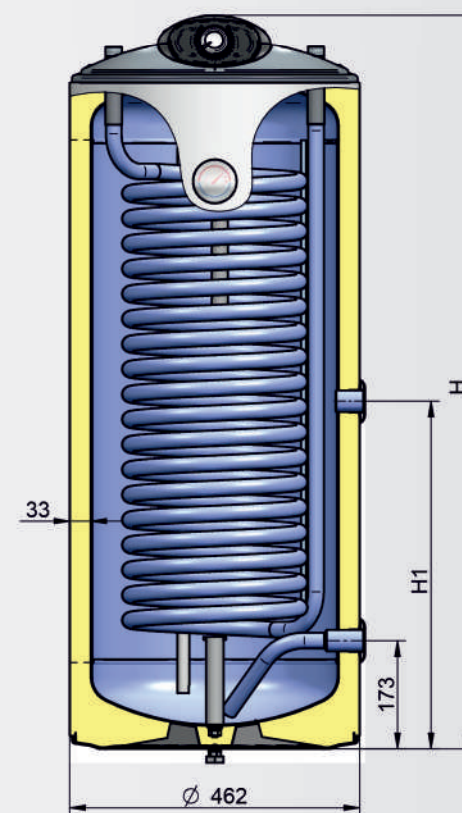
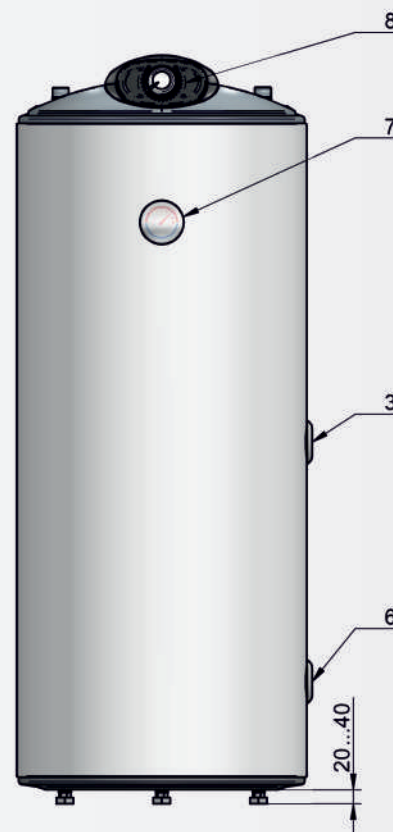
Water heaters type: indirect  
Installation: floor standing  
Capacity: 80, 100 and 120l.  
Water tank: enameled

These dedicated highly efficient water heaters are our special development for integration in systems with a gas boiler. They are equipped with upper heat exchanger with large heat exchanging surface operating in an instantaneous mode.



## *i* DESCRIPTION

- Minimal heat losses: Dense Closed – Cells thermal insulation from the HFO group with a thickness of more than 33mm;
- 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;
- Magnesium anode with large surface for optimal corrosion protection;
- Five levels of protection;
- Connections convenient for installation and maintenance – mounted directly under the gas boiler;
- Drain socket;
- Circulation socket;
- External thermostat;
- Combined metal safety valve;
- Metal casing;
- Temperature indicator;
- No electric heating element.





# COMBINED FLOOR STANDING WATER HEATERS WITH ONE HEAT EXCHANGER FOR GAS INSTALLATIONS (TST)

35

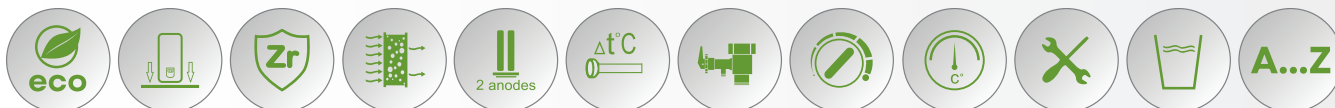
## SPECIFICATIONS

Parameters		FV08046TST	FV10046TST	FV12046TST
Model	...	80	100	120
Volume group	...	B	B	B
Energy efficiency class	...	0.6	0.6	0.6
Rated pressure	Mpa	75	89	108
Volume	L	33	33	33
Insulation thickness	mm	36.5	44.5	52
Gross weight	kg			
<b>Heat exchanger (main heat)</b>				
Operating pressure	Mpa	1	1	1
Maximum temperature of the heating fluid	°C	110	110	110
Maximum temperature in the tank heated by a heat exchanger	°C	95	95	95
Surface area	m <sup>2</sup>	0.74	1.03	1.31
Volume	L	3.6	5	6.4
Power according EN 12897	kW	14.9	19	23.1
Heat-up time according EN 12897	min	11	11.5	10
Pressure loss	mbar	65	75	90
Maximum amount of drained water MIX 40°C according EN 12897 when the power is off	L	87	117	121
<b>Connections</b>				
1: Hot water outlet		G3/4 M	G3/4 M	G3/4 M
2: Cold water inlet		G3/4 M	G3/4 M	G3/4 M
3: Circulation		G3/4 F	G3/4 F	G3/4 F
4: Heating exchanger - Feed		G3/4 M	G3/4 M	G3/4 M
5: Heating exchanger - Return		G3/4 M	G3/4 M	G3/4 M
6: Drain		G3/4 F	G3/4 F	G3/4 F
7: Temperature indicator		yes	yes	yes
8: Control panel for heat exchanger		yes	yes	yes
<b>Dimensions</b>				
H	mm	835	1005	1170
H1	mm	555	470	385

1. All values in the table are approximate.

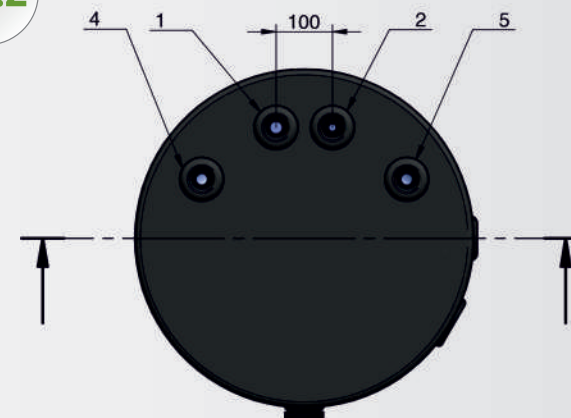
2. The heat-up time with the electric resistance heater is for actual capacity.

# FLOOR STANDING WATER HEATERS FOR GAS INSTALLATIONS UP 150 TO 300 L (TST)



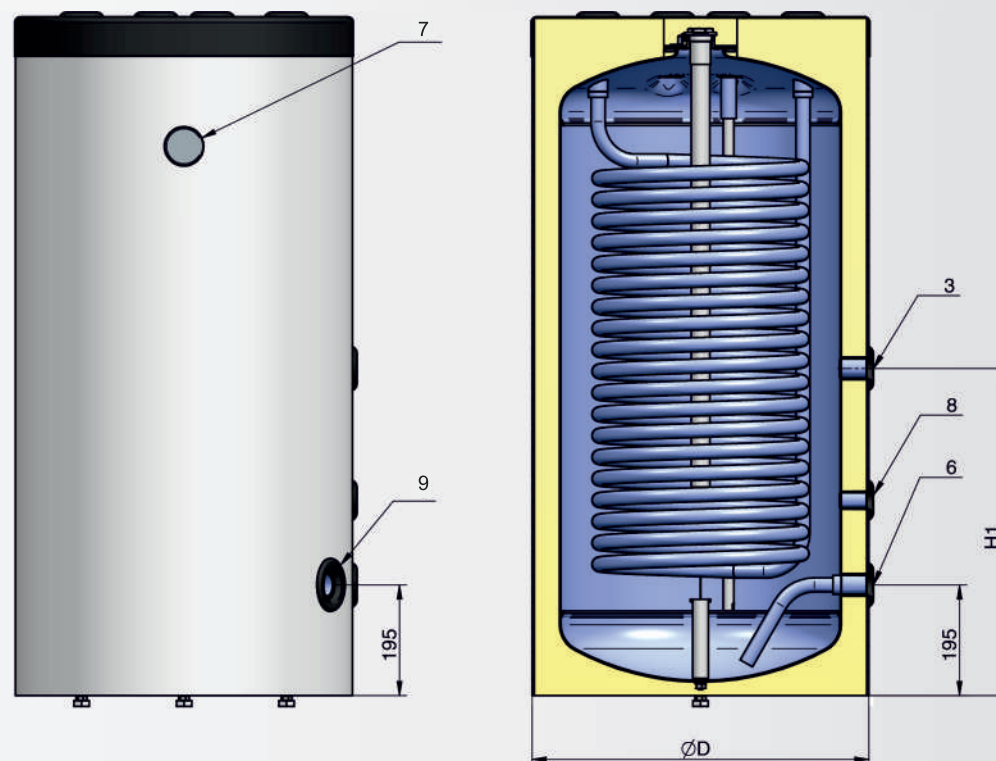
Water heaters type: indirect  
Installation: floor standing  
Capacity: 150, 200 and 300L.  
Water tank: enameled

These dedicated highly efficient water heaters are our special development for integration in systems with a gas boiler. They are equipped with upper heat exchanger with large heat exchanging surface operating in an instantaneous mode.



## *i* DESCRIPTION

- Specially adapted for use in gas installations with single-loop boilers;
- Upper large area heat exchanger operating in a flow-through mode;
- Easy to install and service – installed directly under the gas boiler;
- No electric heater;
- SAFE – with a unique 6-stage protection;
- ENERGY SAVING – thick insulation of CFC-free polyurethane foam with a thickness of 50 mm ensures extremely low heat losses and saves costs;
- LONG-LIFE – we use SHIELD technology – wear-resistant zirconium - based coating of water tanks and two magnesium anodes for optimum corrosion protection for the entire volume;
- Specific oval-shaped flange – specifically designed to ensure your safety;
- Combined metal safety valve.



# FLOOR STANDING WATER HEATERS FOR GAS INSTALLATIONS UP 150 TO 300 L (TST)

37

## SPECIFICATIONS

Parameters		FV15060TST	FV20060TST	FV30060TST
Model	...	150	200	300
Volume group	...	B	C	C
Energy efficiency class	...	0.8	0.8	0.8
Rated pressure	Mpa	141	182	251
Volume	L	50	50	50
Insulation thickness	mm	59	71	89
Gross weight	kg			
<b>Heat exchanger</b>				
Operating pressure	Mpa	1	1	1
Maximum temperature of the heating fluid	°C	110	110	110
Maximum temperature in the tank heated by a heat exchanger	°C	95	95	95
Surface area	m²	1.22	1.68	2.71
Volume	L	5.9	8.1	17.8
Power according EN 12897	kW	23	29	35
Heat-up time according EN 12897	min	12.5	12.9	13.5
Pressure loss	mbar	100	110	120
Maximum amount of drained water MIX 40°C according EN 12897 when the power is off	L	154	199	250
<b>Connections</b>				
1: Hot water outlet		G3/4 F	G3/4 F	G3/4 F
2: Cold water inlet		G3/4 F	G3/4 F	G3/4 F
3: Circulation		G3/4 F	G3/4 F	G3/4 F
4: Heat exchanger - Feed		G3/4 F	G3/4 F	G3/4 F
5: Heat exchanger - Return		G3/4 F	G3/4 F	G3/4 F
6: Drain		G3/4 F	G3/4 F	G3/4 F
7: Temperature indicator		yes	yes	yes
8: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
9: Additional socket		G11/4 F	G11/4 F	G11/4 F
<b>Dimensions</b>				
D	mm	600	600	600
H	mm	980	1220	1605
H1	mm	460	580	770

1. All values in the table are approximate.

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

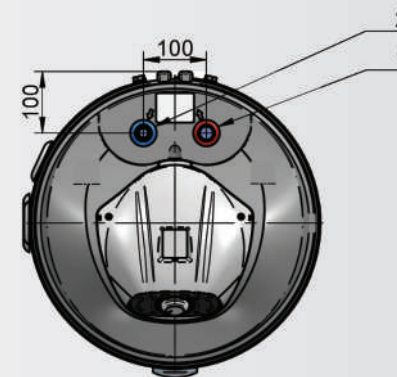


# FLOOR STANDING WATER HEATERS WITH LARGE HEAT EXCHANGER (TSL)



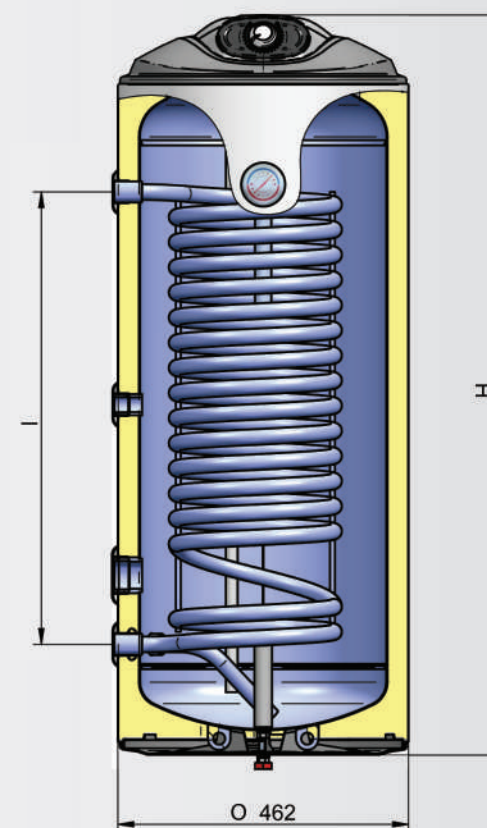
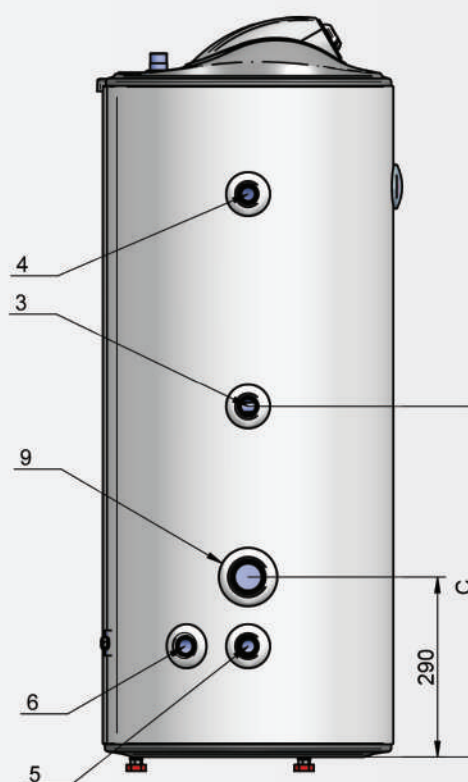
Water heaters type: indirect  
Installation: floor standing  
Capacity: 80, 100 and 120L.  
Water tank: enameled

The TSL model provides a continuous flow of hot water due to a large high performance heat exchanger located throughout the whole volume of the water tank. Through the heat exchanger the excess heat entering from the boiler heats the water in the water tank.



## *i* DESCRIPTION

- Alternative position of the outlets;
- Electric heating element, optionally mounted at the bottom of the water tank;
- Designed to operate in compact installations – with single-loop gas boiler, pellet stoves and boilers or with solar systems;
- Large heat exchanger throughout the whole volume of the water tank operating in instantaneous mode;
- Energy-saving – highly efficient and thick thermal insulation:
  - Technology with 97% closed cells for significantly reduced;
  - Heat losses;
  - Insulation thickness – 33 mm, saving energy and money.
- Safe and reliable;
- Long life – reliable corrosion protection
  - SHIELD technology – an innovative formula of wear-resistant enamel coating with increased content of Zirconium;
  - Two magnesium anodes for optimal corrosion protection of the entire volume of the water tank.
- Combined metal safety valve;
- Durable metal casing.



# FLOOR STANDING WATER HEATERS WITH LARGE HEAT EXCHANGER (TSL)

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## SPECIFICATIONS

Parameters		FV08046TSL	FV10046TSL	FV12046TSL
Model	...	80	100	120
Volume group	...	B	B	B
Energy efficiency class	...	0.6	0.6	0.6
Rated pressure	Mpa	77	91	110
Volume	L	33	33	33
Insulation thickness	mm	35	43	52
Gross weight	kg			
<b>Heat exchanger</b>				
Operating pressure	Mpa	1	1	1
Maximum temperature of the heating fluid	°C	110	110	110
Maximum temperature in the tank heated by a heat exchanger	°C	95	95	95
Surface area	m²	0.49	0.75	0.99
Volume	L	2.3	3.6	4.7
Power according EN 12897	kW	9.8	14	17.5
Heat-up time according EN 12897	min	17.5	16	14
Pressure loss	mbar	25	40	50
Maximum amount of drained water MIX 40°C according EN 12897 when the power is off	L	91	119	129
<b>Connections</b>				
1: Hot water outlet		G3/4 M	G3/4 M	G3/4 M
2: Cold water inlet		G3/4 M	G3/4 M	G3/4 M
3: Circulation		G3/4 F	G3/4 F	G3/4 F
4: Heat exchanger - Feed		G3/4 F	G3/4 F	G3/4 F
5: Heat exchanger - Return		G3/4 F	G3/4 F	G3/4 F
6: Drain		G3/4 F	G3/4 F	G3/4 F
7: Temperature indicator		yes	yes	yes
8: Control panel for heat exchanger		yes	yes	yes
9: Socket for thermostat		G11/2F	G11/2F	G11/2F
<b>Dimensions</b>				
C	mm	385	470	555
H	mm	835	1005	1170
I	mm	400	560	720

1. All values in the table are approximate.

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

## BUFFER TANKS



ELDOM Green Line buffer tanks are thermal accumulators used for centralized storing of domestic hot water and hot water for space heating. They provide heat energy for long periods of time. Furthermore, the ELDOM Green Line buffer tank efficiently supports the space

heating system optimizing its performance and contributing to the evenly loading of the energy sources within the system.

We produce a wide range of buffer tanks including models with non-enamelled and enameled water tanks; with no heat exchanger,

with one, two or three heat exchangers.

Easy connection to all kinds of space heating systems through numerous technological openings (sockets).



Renewable green energy



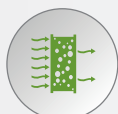
Floor standing models



Models with a heat exchanger located at the bottom of the water heater, featured with increased surface for connection with a solar collector or a heat pump



Two magnesium anodes in each of our water heater models



Thick insulation made of CFC-free polyurethane foam for minimal heat losses and energy saving



The widest variety of water heaters, covering all needs



Models with a heat exchanger located at the top of the water heater, operating in an instantaneous mode for connection with a boiler or a fireplace



Sockets for thermal sensors



Easy assembly and maintenance



SHIELD technology - a unique formula of wear-resistant enamel coating with increased levels of zirconium



Water, suitable for drinking



## NON-ENAMELED BUFFER TANKS (BC)



Product type: indirect

Installation: floor standing

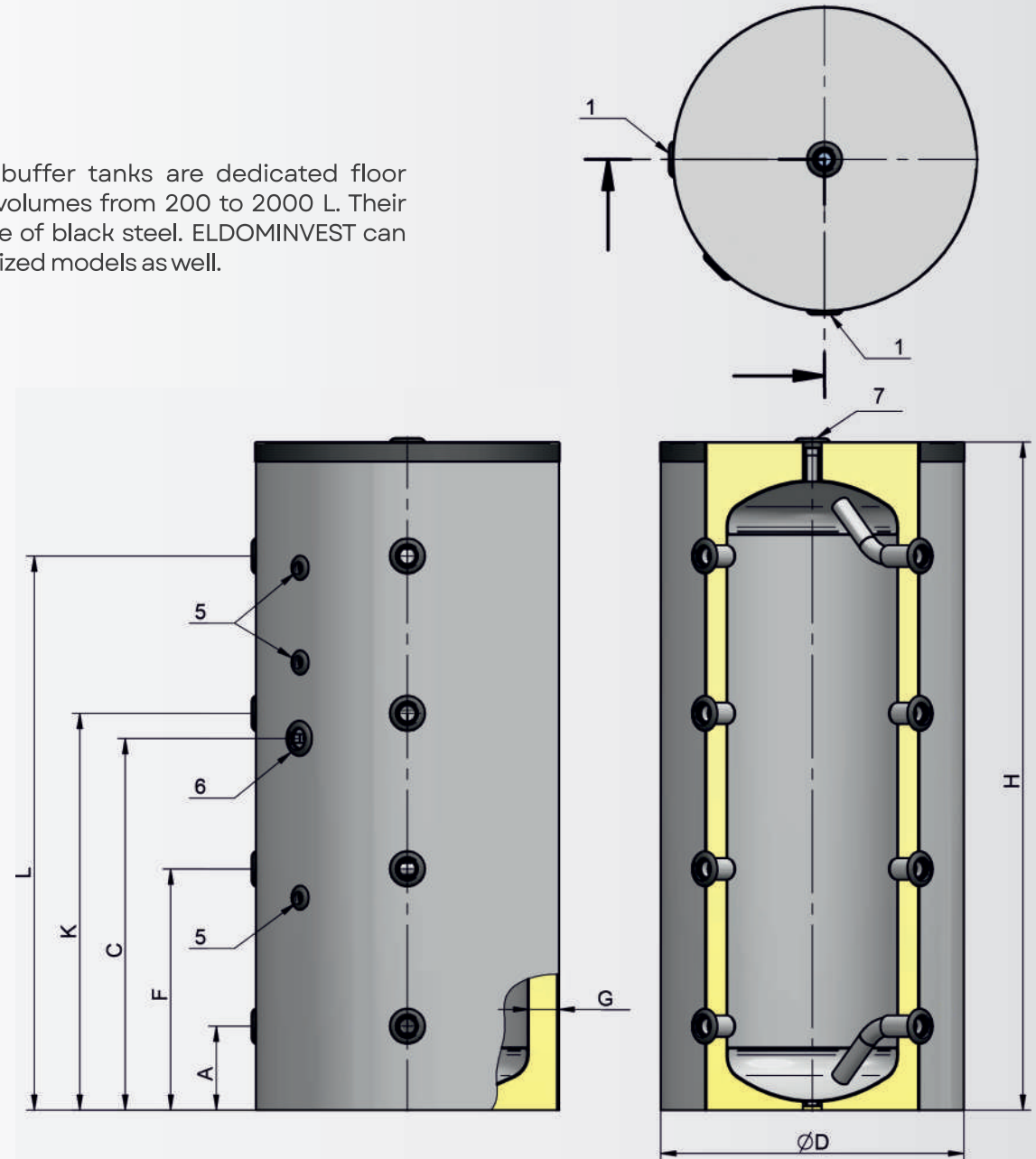
Capacity: 200, 300, 500, 750, 1000, 1500, 2000l.

Water tank: non-enameled

ELDOM Green Line buffer tanks are dedicated floor standing tanks with volumes from 200 to 2000 L. Their water tanks are made of black steel. ELDOMINVEST can manufacture customized models as well.

### DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 200 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- Zipped lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Large diameter flange for easy access to the water tank;
- Thermostat socket;
- Circulation socket;
- Venting socket;
- Not suitable for domestic hot water;
- No heat exchangers.



## SPECIFICATIONS

Parameters		BC 200K60	BC 300K	BC 500K80	BC 750F	BC 1000F	BC 1500F	BC 2000F
Model	...	200	300	500	750	1000	1500	2000
Volume group	...	B	B	B	-	-	-	-
Energy efficiency class	...	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Rated pressure	Mpa	193	272	491	738	936	1471	2000
Volume	L	75	85	80	80	80	100	100
Insulation thickness	mm	53	64	112	155	160	278	322
Gross weight	kg							
<b>Connections</b>								
1: Inlet / Outlet		G11/2 F	G11/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
7: Inlet / Outlet		G3/4 F	G3/4 F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>								
A	mm	200	205	220	330	330	385	395
C	mm	855	835	960	890	1045	1220	1230
D	mm	600	670	800	1010	1010	1250	1400
F	mm	515	575	635	645	755	845	855
G	mm	75	85	80	80	80	100	100
H	mm	1430	1595	1765	1665	2000	2210	2255
K	mm	855	945	1045	960	1185	1305	1315
L	mm	1180	1315	1460	1270	1610	1765	1775

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

## NON-ENAMELED BUFFER TANKS WITH ONE HEAT EXCHANGER (BCS)



Product type: indirect

Installation: floor standing

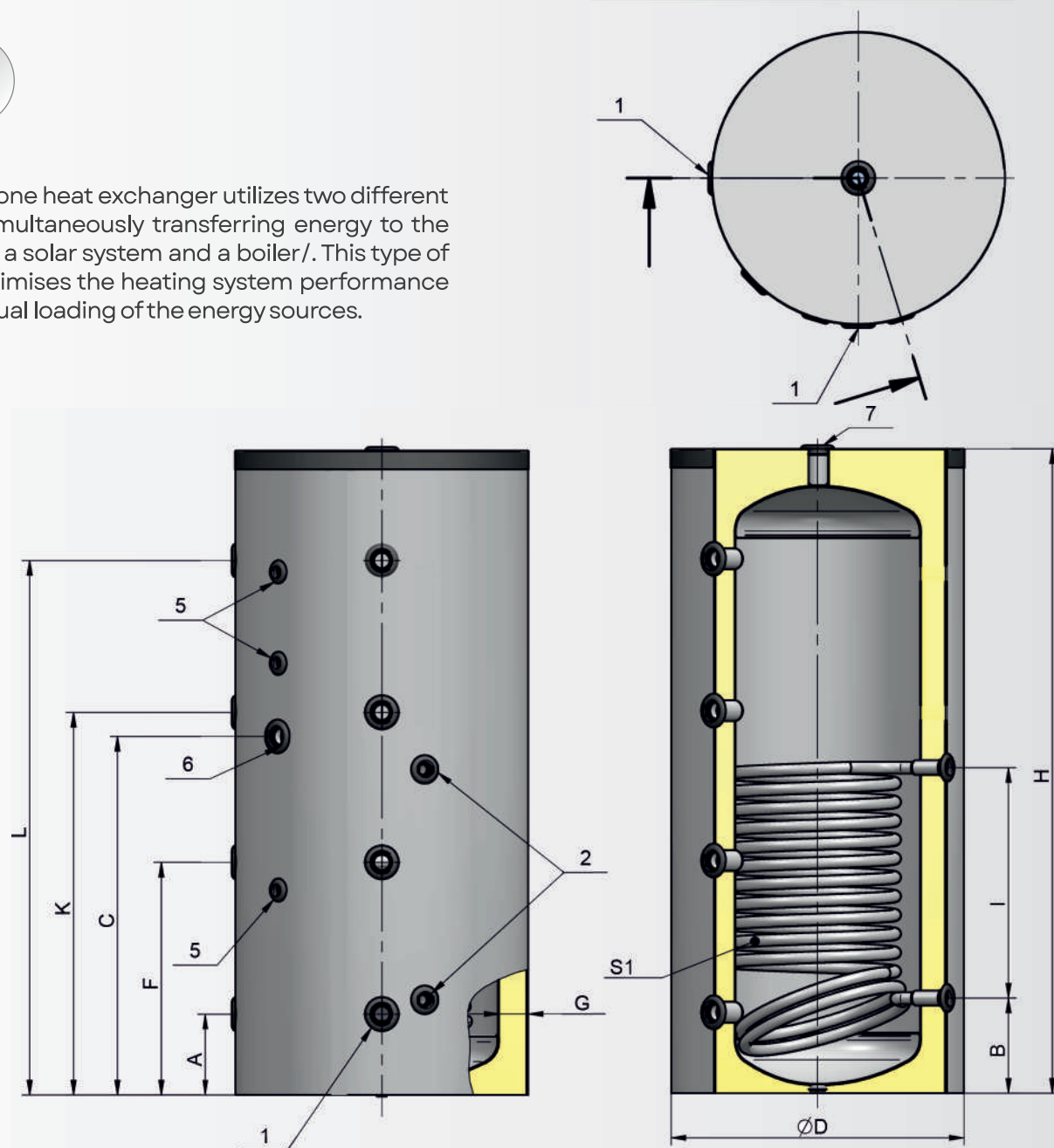
Capacity: 200, 300, 500, 750, 1000, 1500, 2000l.

Water tank: non-enameled

The model with one heat exchanger utilizes two different heat sources simultaneously transferring energy to the buffer tank /e.g. a solar system and a boiler/. This type of buffer tanks optimises the heating system performance and provides equal loading of the energy sources.

### DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 200 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- One lower heat exchanger with large heat exchanging surface operating in accumulation mode;
- Zipped lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Thermostat socket;
- Circulation socket;
- Venting socket;
- Large diameter flange for easy access to the water tank;
- Not suitable for domestic hot water.



# NON-ENAMELED BUFFER TANKS WITH ONE HEAT EXCHANGER (BCS)

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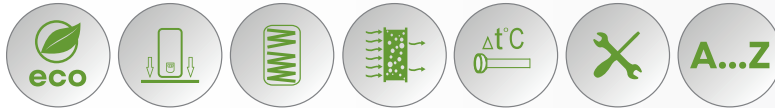
## SPECIFICATIONS

Parameters		BCS 200K60	BCS 300K	BCS 500K80	BCS 750F	BCS 1000F	BCS 1500F	BCS 2000F
Model	...	200	300	500	750	1000	1500	2000
Volume group	...	200	300	500	750	1000	1500	2000
Energy efficiency class	...	B	B	B	-	-	-	-
Rated pressure	Mpa	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Volume	L	186	264	476	738	936	1471	2000
Insulation thickness	mm	75	85	80	80	80	100	100
Gross weight	kg	65	83	129	183	197	318	377
<b>Heat exchanger</b>								
Surface area S1	m <sup>2</sup>	0,90	1,12	1,85	2,03	3,04	3,04	4.25
Volume S1	L	4,33	5,44	12,15	13,34	19,95	19,95	27.94
Pressure loss S1	mbar	120	50	35	50	70	70	80
<b>Connections</b>								
1: Inlet / Outlet		G1 1/2 F	G1 1/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
2: S1		G3/4 F	G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G1 1/2 F	G1 1/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
7: Inlet / Outlet		G3/4 F	G3/4 F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>								
A	mm	200	205	220	330	330	385	395
B	mm	260	235	260	360	360	425	435
C	mm	855	835	960	890	1045	1220	1230
D	mm	600	670	800	1010	1010	1250	1400
F	mm	515	575	635	645	755	845	855
G	mm	75	85	80	80	80	100	100
H	mm	1430	1605	1765	1665	2000	2210	2255
I	mm	550	530	630	470	630	730	730
K	mm	855	945	1045	960	1185	1305	1315
L	mm	1180	1315	1460	1270	1610	1765	1775

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



# NON-ENAMELED BUFFER TANKS WITH TWO HEAT EXCHANGER (BCS2)



Product type: indirect

Installation: floor standing

Capacity: 200, 300, 500, 750,  
1000, 1500, 2000l.

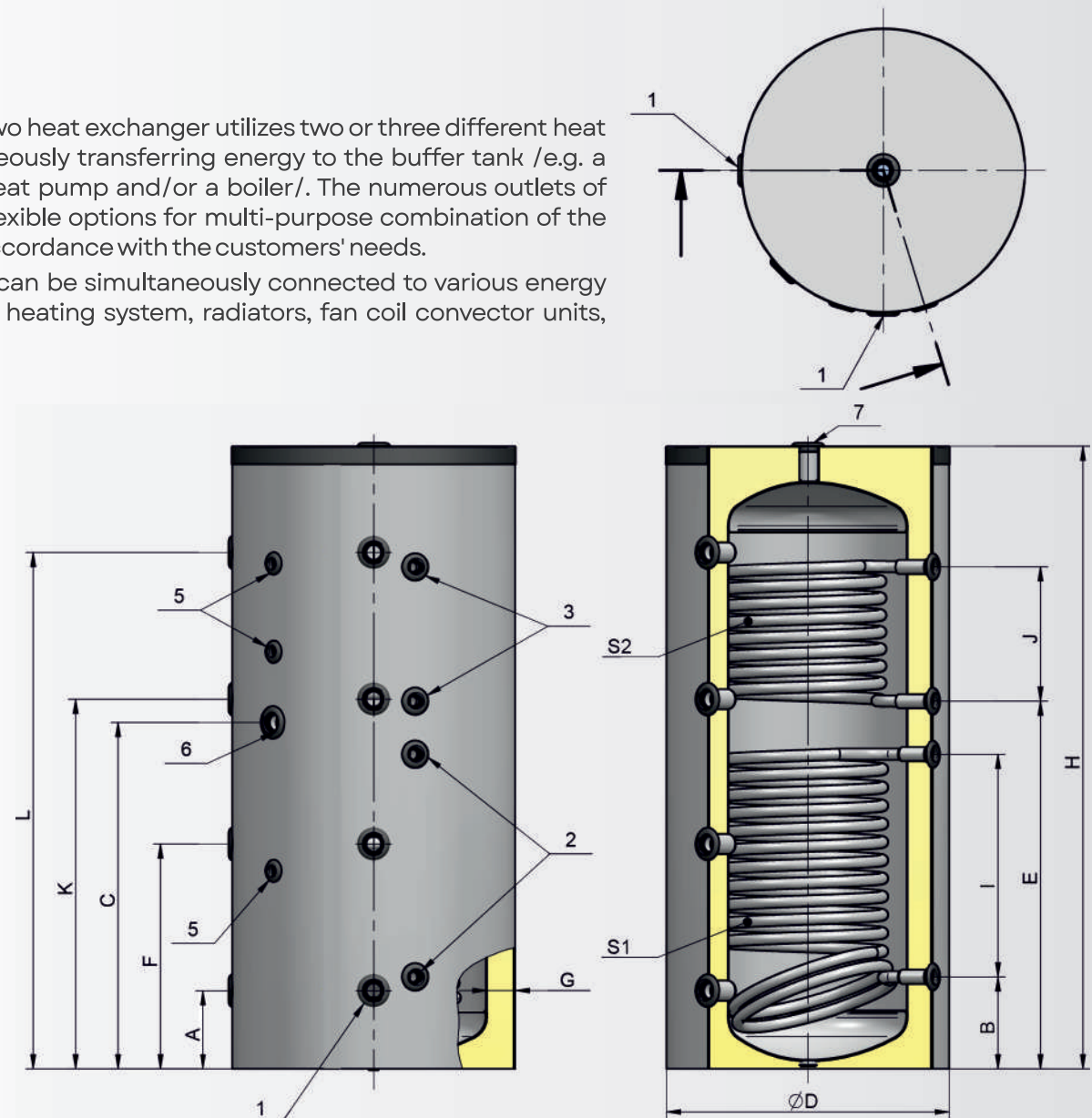
Water tank: non-enameled

The model with two heat exchanger utilizes two or three different heat sources simultaneously transferring energy to the buffer tank /e.g. a solar system, a heat pump and/or a boiler/. The numerous outlets of the tanks allow flexible options for multi-purpose combination of the heat sources in accordance with the customers' needs.

The buffer tanks can be simultaneously connected to various energy consumers (floor heating system, radiators, fan coil convector units, etc).

## DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 200 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- Two heat exchanger with large heat exchanging surface for connection with two additional heat sources;
- Zipped lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Thermostat socket;
- Circulation socket;
- Venting socket;
- Large diameter flange for easy access to the water tank;
- Not suitable for domestic hot water.



# NON-ENAMELED BUFFER TANKS WITH TWO HEAT EXCHANGER (BCS2)

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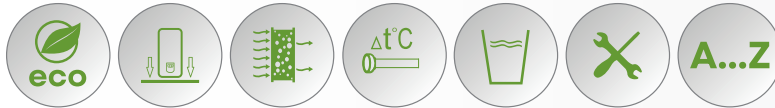
## SPECIFICATIONS

Parameters		BCS2 200K60	BCS2 300K	BCS2 500K80	BCS2 750F	BCS2 1000F	BCS2 1500F	BCS2 2000F
Model	...	200	300	500	750	1000	1500	2000
Volume group	...	B	B	B	-	-	-	-
Energy efficiency class	...	B	B	B	-	-	-	-
Rated pressure	Mpa	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Volume	L	184	258	465	721	920	1455	1978
Insulation thickness	mm	75	85	80	80	80	100	100
Gross weight	kg	72	96	144	195	230	342	414
<b>Heat exchangers</b>								
Surface area S1	m <sup>2</sup>	0,90	1,12	1,85	2,03	3,04	3,04	4,25
Volume S1	L	4,33	5,44	12,15	13,34	19,95	19,95	27,94
Pressure loss S1	mbar	120	50	35	50	70	70	80
Surface area S2	m <sup>2</sup>	0,38	0,86	1,15	1,22	2,03	2,03	2,73
Volume S2	L	1,82	4,18	7,53	7,99	13,34	13,34	17,97
Pressure loss S2	mbar	15	55	55	20	40	30	50
<b>Connections</b>								
1: Inlet / Outlet		G11/2 F	G11/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
2: S1		G3/4 F	G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
3: S2		G3/4 F	G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
7: Inlet / Outlet		G3/4 F	G3/4 F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>								
A	mm	200	205	220	330	330	385	395
B	mm	260	235	260	360	360	425	435
C	mm	855	835	960	890	1045	1220	1230
D	mm	600	670	800	1010	1010	1250	1400
E	mm	1000	885	1040	940	1100	1245	1255
F	mm	515	575	635	645	755	845	855
G	mm	75	85	80	80	80	100	100
H	mm	1430	1605	1765	1665	2000	2210	2255
I	mm	550	530	630	470	630	730	730
J	mm	230	400	380	290	470	470	470
K	mm	855	945	1045	960	1185	1305	1315
L	mm	1180	1315	1460	1270	1610	1765	1775

1. All values in the table are approximate.

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

# NON-ENAMELED BUFFER TANKS WITH STAINLESS STEEL HEAT EXCHANGER (BCW)

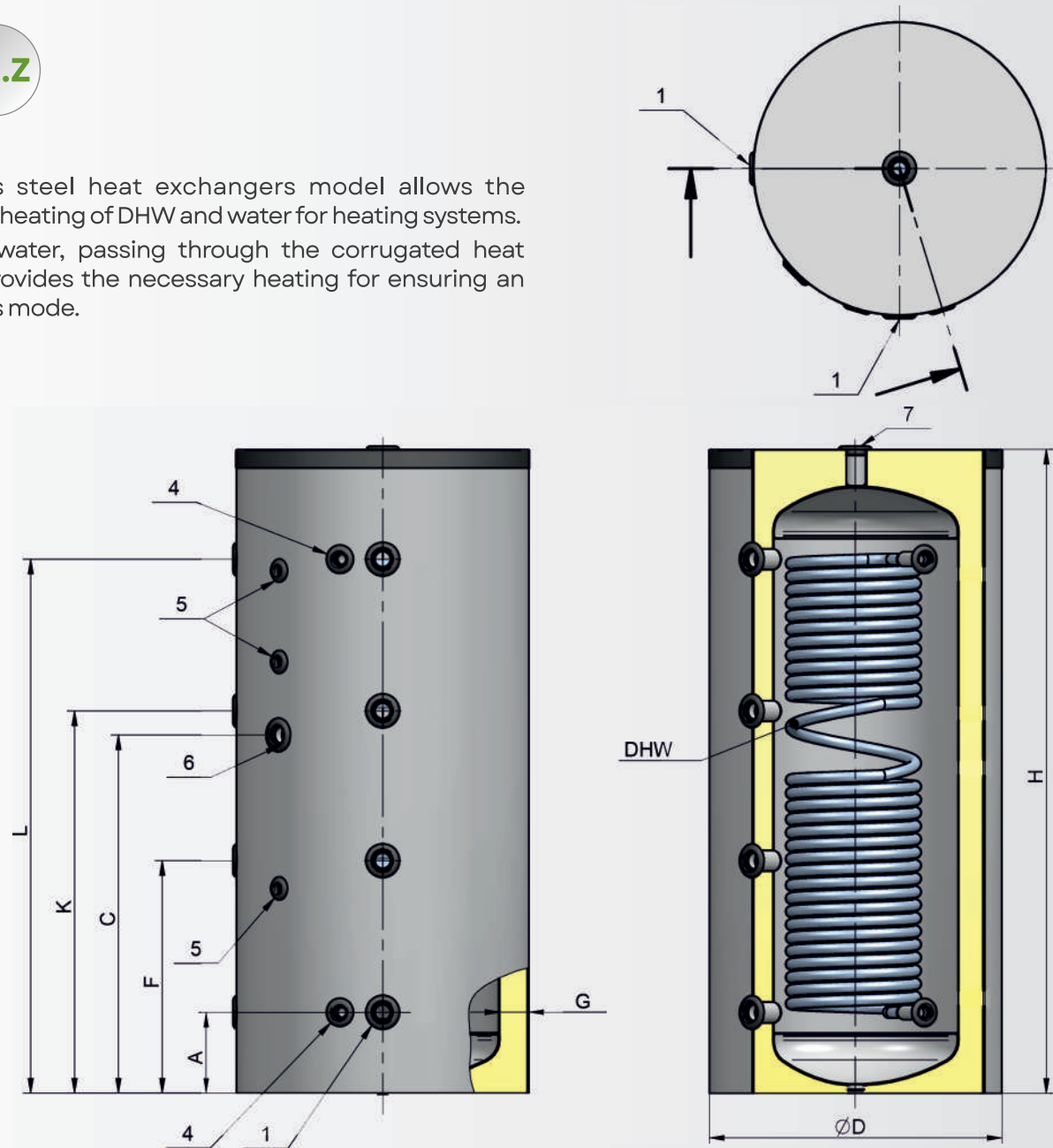


Product type: indirect  
Installation: floor standing  
Capacity: 300, 500, 750,  
1000, 1500, 2000l.  
Water tank: non-enameled

The stainless steel heat exchangers model allows the simultaneous heating of DHW and water for heating systems. The potable water, passing through the corrugated heat exchanger, provides the necessary heating for ensuring an instantaneous mode.

## DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 300 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- AISI 316L stainless steel heat exchanger for heating of potable water in an instantaneous mode;
- Zipped lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Thermostat socket;
- Circulation socket;
- Venting socket.



# NON-ENAMELED BUFFER TANKS WITH STAINLESS STEEL HEAT EXCHANGER (BCW)

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## SPECIFICATIONS

Parameters		BCW 300K	BCW 500K80	BCW 750F	BCW 1000F	BCW 1500F	BCW 2000F
Model	...	300	500	750	1000	1500	2000
Volume group	...	B	B	-	-	-	-
Energy efficiency class	...	B	B	-	-	-	-
Rated pressure	Mpa	0,3	0,3	0,3	0,3	0,3	0,3
Volume	L	255	455	698	931	1444	1956
Insulation thickness	mm	85	80	80	80	100	100
Gross weight	kg	76	123	167	181	313	373
<b>Heat exchanger</b>							
Surface area heat exchanger DHW	m <sup>2</sup>	3,03	4,65	5,16	7,50	9,00	11,24
Volume heat exchanger DHW	L	16,64	25,72	28,52	41,61	49,93	62,41
<b>Connections</b>							
1: Inlet / Outlet		G11/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
4: Heat-exchanger for DHW		G1 F	G1 F	G1 F	G1 F	G1 F	G1 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
7: Inlet / Outlet		G3/4 F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>							
A	mm	205	220	330	330	385	395
C	mm	835	960	890	1045	1220	1230
D	mm	670	800	1010	1010	1250	1400
F	mm	575	635	645	755	845	855
G	mm	85	80	80	80	100	100
H	mm	1595	1765	1665	2000	2210	2255
K	mm	945	1045	960	1185	1305	1315
L	mm	1315	1460	1270	1610	1765	1775

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



# NON-ENAMELED BUFFER TANKS WITH ONE BLACK AND ONE STAINLESS STEEL HEAT EXCHANGER (BCWS)



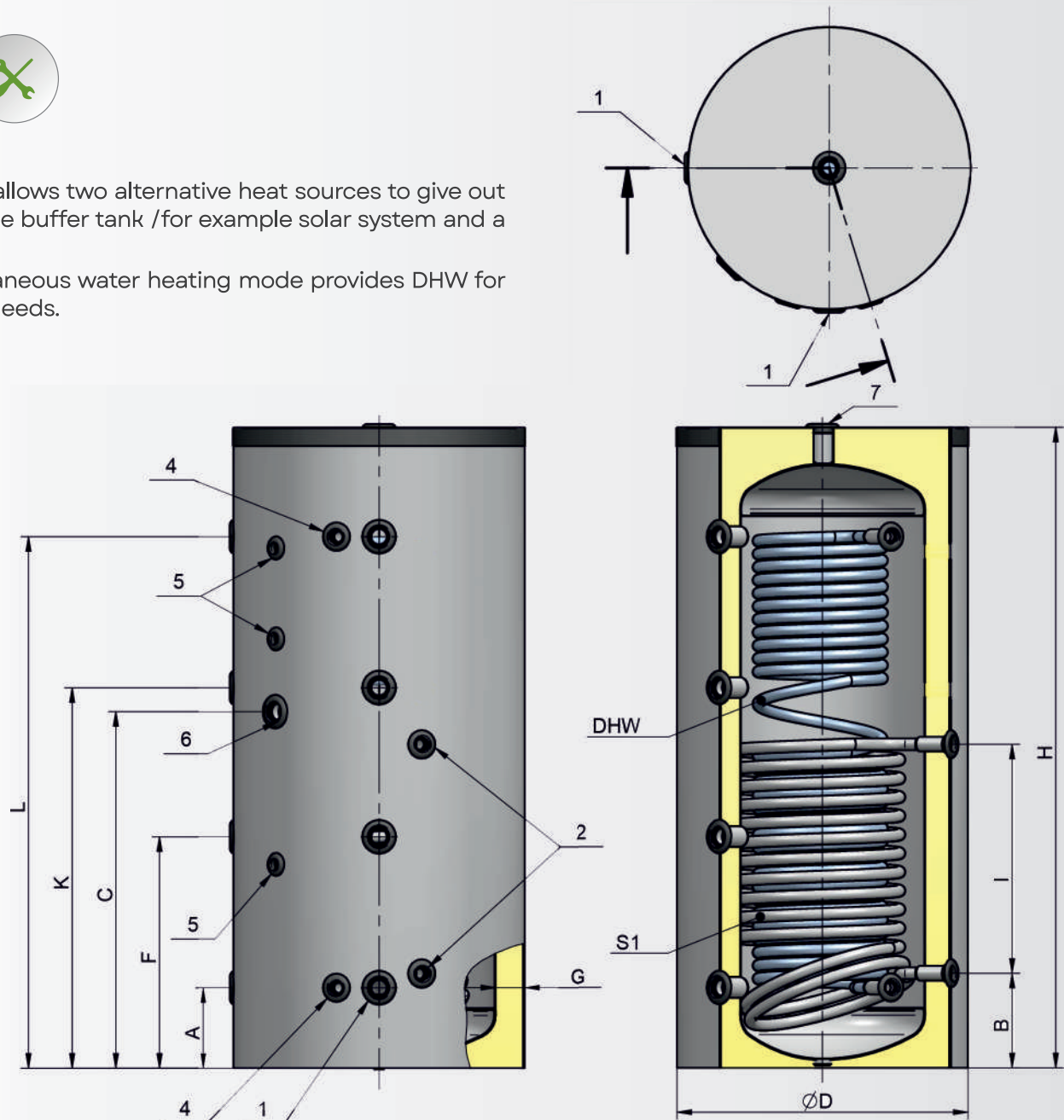
Product type: indirect  
 Installation: floor standing  
 Capacity: 300, 500, 750,  
 1000, 1500, 2000l.  
 Water tank: non-enameled

The model allows two alternative heat sources to give out energy to the buffer tank /for example solar system and a boiler/.

The instantaneous water heating mode provides DHW for household needs.

## DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 300 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- Low situated heat exchanger with large surface, working in an instantaneous mode;
- AISI 316L stainless steel heat exchanger for heating of potable water in an instantaneous mode;
- Zippered lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Thermostat socket;
- Circulation socket;
- Venting socket.



# NON-ENAMELED BUFFER TANKS WITH ONE BLACK AND ONE STAINLESS STEEL HEAT EXCHANGER (BCWS)

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## SPECIFICATIONS

Parameters		BCWS 300K	BCWS 500K80	BCWS 750F	BCWS 1000F	BCWS 1500F	BCWS 2000F
Model	...	300	500	750	1000	1500	2000
Volume group	...	B	B	-	-	-	-
Energy efficiency class	...	B	B	-	-	-	-
Rated pressure	Mpa	0,3	0,3	0,3	0,3	0,3	0,3
Volume	L	247	443	681	910	1420	1936
Insulation thickness	mm	85	80	80	80	100	100
Gross weight	kg	92	146	184	255	353	428
<b>Heat exchanger</b>							
Surface area S1	m <sup>2</sup>	1,12	1,85	2,03	3,04	3,04	4,25
Volume S1	L	5,44	12,15	13,34	19,95	19,95	27,94
Pressure loss	mbar	50	40	50	70	70	80
Surface area heat exchanger DHW	m <sup>2</sup>	3,03	4,65	5,16	7,50	9,00	11,24
Volume heat exchanger DHW	L	16,64	25,72	28,52	41,61	49,93	62,41
<b>Connections</b>							
1: Inlet / Outlet		G11/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
3: S1		G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
4: Heat-exchanger DHW		G1 F	G1 F	G1 F	G1 F	G1 F	G1 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
7: Inlet / Outlet		G3/4F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>							
A	mm	205	220	330	330	385	395
B	mm	235	260	360	360	425	435
C	mm	835	960	890	1045	1220	1230
D	mm	670	800	1010	1010	1250	1400
F	mm	575	635	645	755	845	855
G	mm	85	80	80	80	100	100
H	mm	1595	1765	1665	2000	2210	2255
I	mm	530	630	470	630	730	730
K	mm	945	1045	960	1185	1305	1315
L	mm	1315	1460	1270	1610	1765	1775

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

# NON-ENAMELED BUFFER TANKS WITH TWO BLACK AND ONE STAINLESS STEEL HEAT EXCHANGER (BCWS2)



Product type: indirect  
 Installation: floor standing  
 Capacity: 300, 500, 750,  
 1000, 1500, 2000l.  
 Water tank: non-enameled

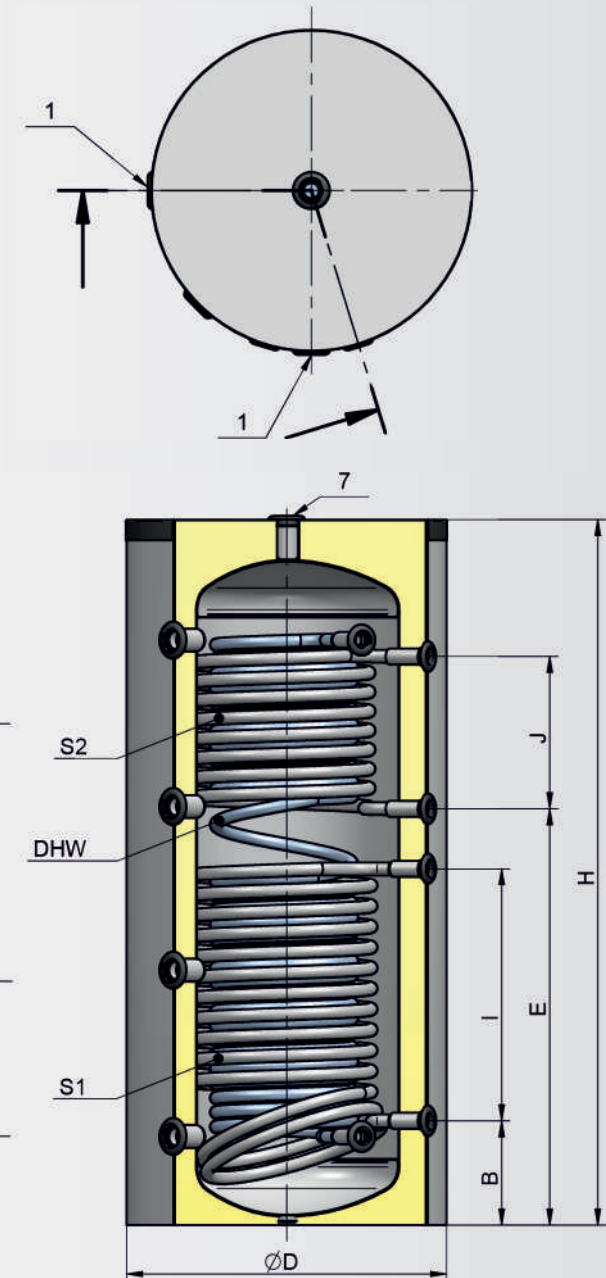
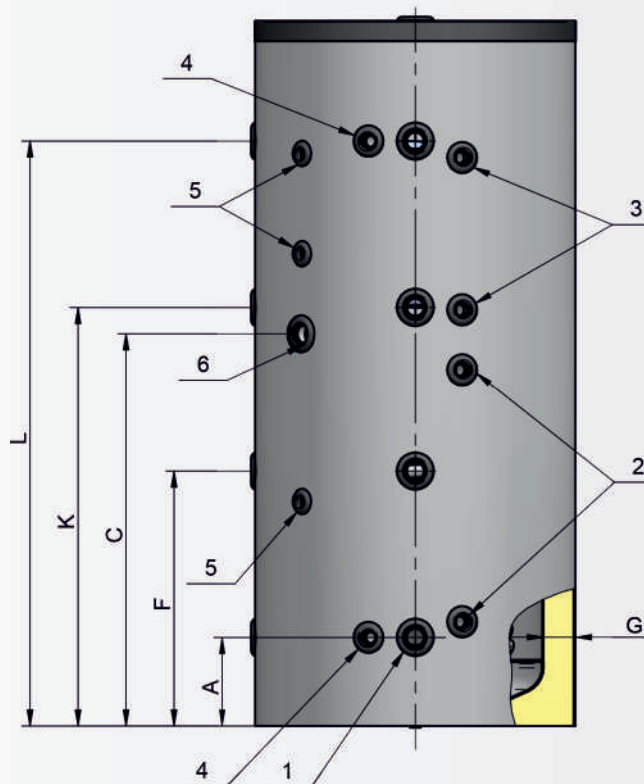
The model allows two alternative heat sources to give out energy to the buffer tank /for example solar system, boiler, heat pump, etc./.

The instantaneous water heating mode provides DHW for household needs.

There is a possibility for several consumers to be connected to the buffer tank.

## DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 300 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- Two large surface heat exchangers for utilizing two additional heat sources;
- AISI 316L stainless steel heat exchanger for heating of potable water in an instantaneous mode;
- Zippered lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Thermostat socket;
- Circulation socket;
- Venting socket.



# NON-ENAMELED BUFFER TANKS WITH TWO BLACK AND ONE STAINLESS STEEL HEAT EXCHANGER (BCWS2)

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## SPECIFICATIONS

Parameters		BCWS2 300K	BCWS2 500K80	BCWS2 750F	BCWS2 1000F	BCWS2 1500F	BCWS2 2000F
Model	...	300	500	750	1000	1500	2000
Volume group	...	B	B	-	-	-	-
Energy efficiency class	...	B	B	-	-	-	-
Rated pressure	Mpa	0,3	0,3	0,3	0,3	0,3	0,3
Volume	L	241	435	642	895	1404	1914
Insulation thickness	mm	85	80	80	80	100	100
Gross weight	kg	103	161	248	270	360	436
<b>Heat exchanger</b>							
Surface area S1	m <sup>2</sup>	1,12	1,85	2,03	3,04	3,04	425
Volume S1	L	5,44	12,15	13,34	19,95	19,95	27,94
Pressure loss S1	mbar	50	35	50	70	70	80
Surface area S2	m <sup>2</sup>	0,86	1,15	1,22	2,03	2,03	2,73
Volume S2	L	4,18	7,53	7,99	13,34	13,34	17,97
Pressure loss S2	mbar	55	55	20	40	30	50
Surface area heat exchanger DHW	m <sup>2</sup>	3,03	4,65	5,16	7,50	9,00	11,24
Volume heat exchanger DHW	L	16,64	25,72	28,52	41,61	49,93	62,41
<b>Connections</b>							
1: Inlet / Outlet		G1 1/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
2: S1		G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
3: S2		G3/4 F	G1 F	G1 F	G1 F	G1 F	G1 F
4: Heat-exchanger for DHW		G1 F	G1 F	G1 F	G1 F	G1 F	G1 F
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F	G1 1/2 F
7: Inlet / Outlet		G3/4 F	G1 1/4 F	G1 1/4 F	G1 1/4 F	G2 F	G2 F
<b>Dimensions</b>							
A	mm	205	220	330	330	385	395
B	mm	235	260	360	360	425	435
C	mm	835	960	890	1045	1220	1230
D	mm	670	800	1010	1010	1250	1400
E	mm	885	1040	940	1100	1245	1255
F	mm	575	635	645	755	845	855
G	mm	85	80	80	80	100	100
H	mm	1595	1765	1665	2000	2210	2255
I	mm	530	630	470	630	730	730
J	mm	400	380	290	470	470	470
K	mm	945	1045	960	1185	1305	1315
L	mm	1315	1460	1270	1610	1765	1775

1. All values in the table are approximate.

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



# ENAMELED BUFFER TANKS (BCE)

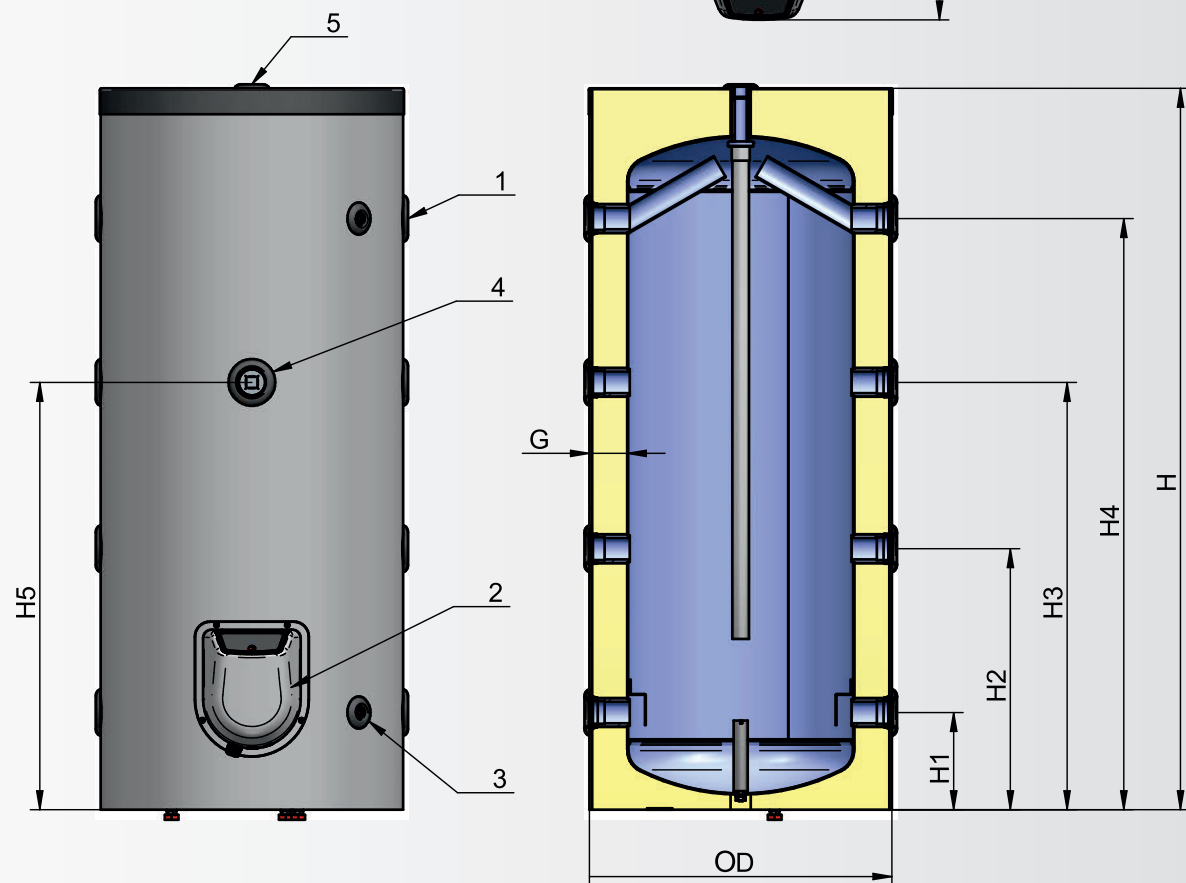


Product type: indirect  
 Installation: floor standing  
 Capacity: 150, 200 300, 500,  
 750, 1000, 1500, 2000l.  
 Water tank: enameled

ELDOM Green Line enameled buffer tanks provide domestic hot water. The characteristics of drinking water remain unchanged and it can be used for cooking and drinking.

## DESCRIPTION

- Minimal heat losses:
  - Thick CFC-free insulation from environmentally friendly high density polyurethane foam formula for models from 150 to 500 liters;
  - Thick EPS insulation of expanded polystyrene with high density graphite microparticles for models from 750 to 2000 liters.
- SHIELD technology - a unique formula for wear-resistant enamel coating with increased zirconium content for durability and long life of the water tank in enameled models;
- Cathode system: two magnesium anodes for optimal corrosion protection;
- Zipped lining of wear resistant synthetic fabric in INOX color;
- Connections, convenient for installation and maintenance;
- Large diameter flange for easy access to the water tank;
- Thermostat socket.



## SPECIFICATIONS

Parameters		BCE 150K60	BCE 200K60	BCE 300K	BCE 500K80	BCE 750F	BCE 1000F	BCE 1500F	BCE 2000F
Model	...	150	200	300	500	750	1000	1500	2000
Volume group	...	B	B	B	B	-	-	-	-
Energy efficiency class	...	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Rated pressure	Mpa	147	193	272	491	748	961	1495	2020
Volume	L	75	75	85	80	100	100	100	100
Insulation thickness	mm	53	60	72	124	184	206	356	420
Gross weight	kg								
<b>Connections</b>									
1: Inlet / Outlet		G11/2 F	G11/2 F	G11/2 F	G2 F	G2 F	G2 F	G2 F	G2 F
2: Flange		yes	yes	yes	yes	yes	yes	yes	yes
3: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F	G1/2 F
4: Additional socket		G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F	G11/2 F
5: Inlet / Outlet		G3/4 F	G3/4 F	G3/4 F	G11/4 F	G11/4 F	G11/4 F	G2 F	G2 F
<b>Dimensions</b>									
D	mm	600	600	670	800	1050	1050	1250	1400
H	mm	1150	1430	1605	1765	1640	1975	2210	2255
H1	mm	195	195	200	230	310	310	395	405
H2	mm	430	520	580	645	625	735	855	865
H3	mm	665	850	950	1055	935	1165	1315	1325
H4	mm	900	1170	1330	1470	1250	1590	1775	1785
H5	mm	665	780	950	1055	860	1020	1230	1240
W	mm	690	690	760	890	1140	1140	1385	1535

\*Models available with non-removable rigid PPU foam (model number “K”) or removable EPS insulation (model number “F”)

# ENAMELED BUFFER TANKS FOR HEAT PUMP SYSTEMS (BCE)

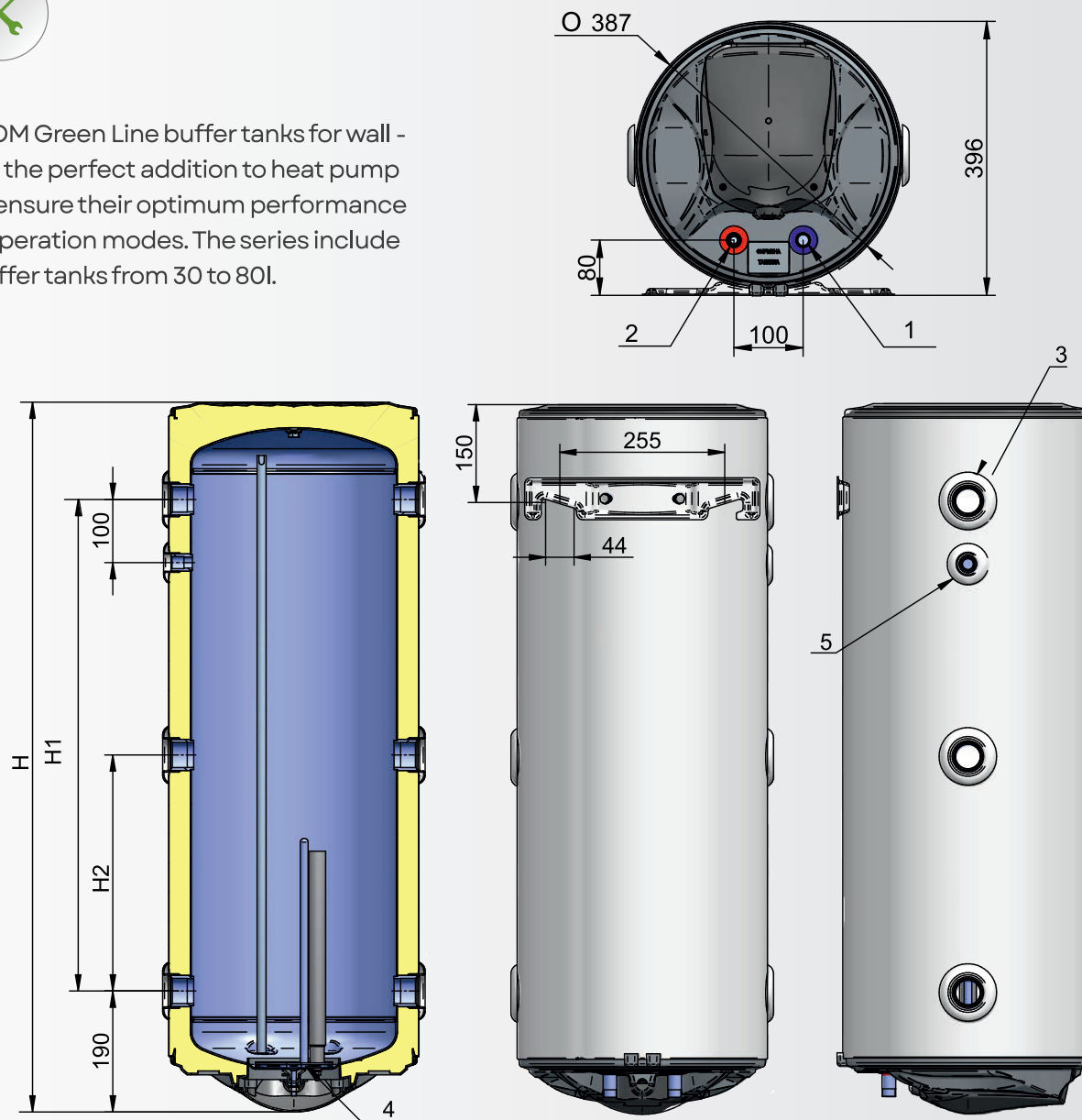


Product type: indirect  
 Installation: wall, vertical  
 Capacity: 30, 50, 80l.  
 Water tank: enameled

The new ELDOM Green Line buffer tanks for wall - mounting are the perfect addition to heat pump systems and ensure their optimum performance in changing operation modes. The series include enameled buffer tanks from 30 to 80l.

## DESCRIPTION

- Minimum heat loss: thick CFC free insulation;
- SHIELD technology - a unique formula for wear-resistant enamel coating with increased zirconium for durability and long life of the water tank;
- Cathode system: magnesium anode for optimal corrosion protection;
- Three inlets and three outlets at 80l. model for connection with one alternative energy source and two consumers;
- Two outputs and two inlets at 30 and 50l. models;
- Effective operation in two modes - Heating and Cooling;
- Easy maintenance and service;
- Venting and draining sockets located at the bottom of the buffer;
- Two sockets for thermo sensors;
- Slim design.



## SPECIFICATIONS

Parameters		BCE03039	BCE05039	BCE08039
Model	...	30	50	80
Volume group	L	C	C	C
Energy efficiency class	...	0,6	0,6	0,6
Rated pressure	Mpa	29	45	75
Volume	L	5/95	5/95	5/95
Working temperature min/max	°C	33	33	33
Insulation thickness	mm	15	20	28
Weight	kg			
<b>Connections</b>				
1: Inlet / drain		G 1/2 M	G 1/2 M	G 1/2 M
2: Outlet		G 1/2 M	G 1/2 M	G 1/2 M
3: Inlet / Outlet		4xG11/4 F	4xG11/4 F	6xG11/4 F
4: Flange with thermosensor tube and anode		Yes	Yes	Yes
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
<b>Dimensions</b>				
H	mm	535	735	1100
H1	mm	195	395	760
H2	mm	-	-	365

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



# ENAMELED BUFFER TANKS FOR HEAT PUMP SYSTEMS (BCE)



Type of product: indirect

Mounting: wall

(vertical and horizontal), free-standing

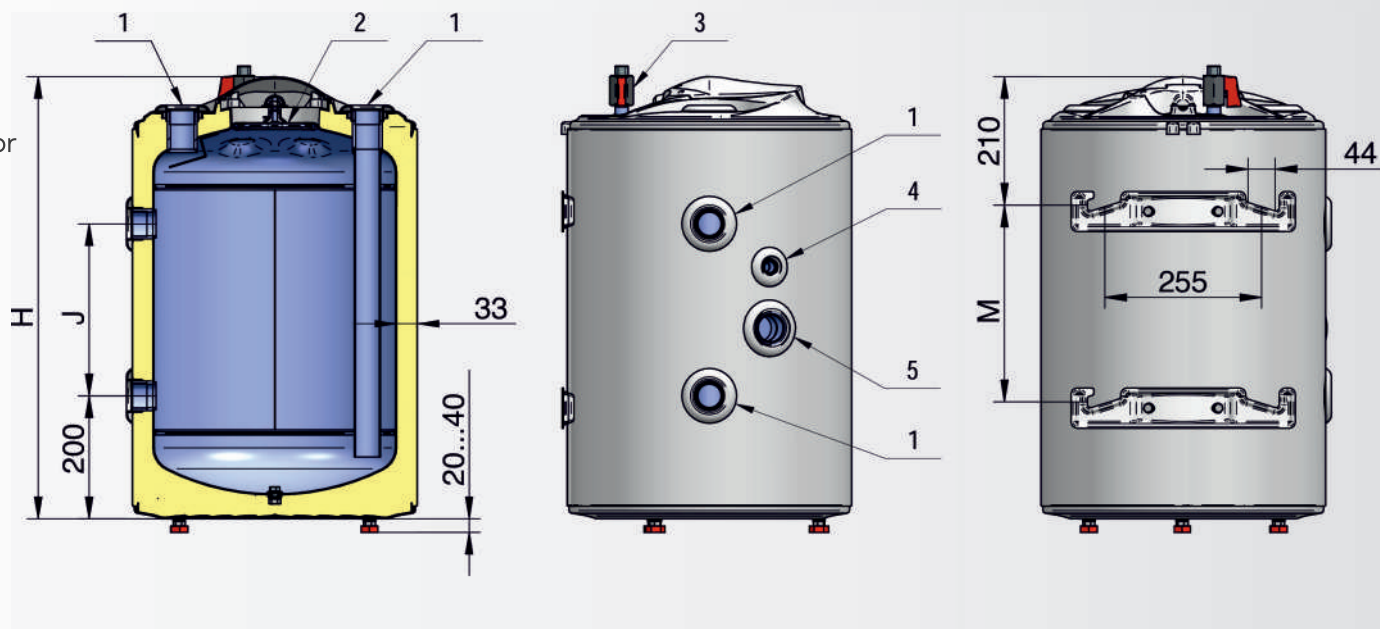
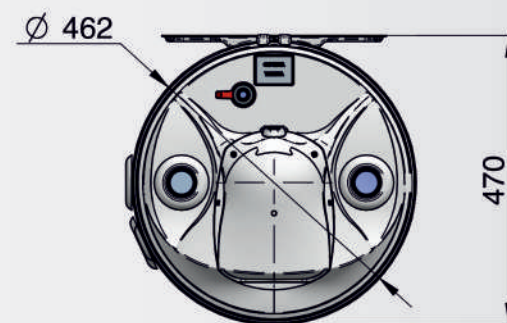
Capacity: 60, 80, 120 L

Type of tank: enameled

These models of ELDOM Green Line buffer tanks are the perfect addition to heat pump systems and ensure their optimum performance in changing operation modes. Their structure allows different mounting possibilities according to the wiring requirements – both wall mounting and floor mounting.

## *i* DESCRIPTION

- Minimum heat loss: thick CFC free insulation made of environmentally friendly high-density polyurethane foam;
- SHIELD technology - a unique formula for wear-resistant enamel coating with increased zirconium for durability and long life of the water tank;
- Cathode system: two magnesium anodes for optimal corrosion protection;
- Socket for additional heating element;
- Recirculation socket;
- Socket for thermo sensor;
- Air-vent ball valve;
- Domestic hot water;
- Outlets for easy installation and maintenance.



## SPECIFICATIONS

Parameters		BCE 60(R)	BCE 80(R)	BCE 120(R)
Model	...	60	80	120
Volume group	L	60	80	120
Energy efficiency class	...	C	C	C
Rated pressure	Mpa	0,6	0,6	0,6
Volume	L	64	75	116
Insulation thickness	mm	33	33	33
Gross weight	kg	29	31,5	42
<b>Connections</b>				
1: Inlet /Outlet		G1 1/4 F	G1 1/4 F	G1 1/4 F
2: Flange (with anode protector)		Yes	Yes	Yes
3: Ball valve		G1/2	G1/2	G1/2
5: Socket for thermostat		G1/2 F	G1/2 F	G1/2 F
6: Additional socket		G1 1/2 F	G1 1/2 F	G1 1/2 F
<b>Dimensions</b>				
H	mm	715	810	1150
J	mm	280	375	715
M	mm	320	415	755

Description of markings:

"BCE" - enamelled water tank.

"R" - The flange of the buffer tanks is on the right when the device is mounted in horizontal BCE xxxR position.



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