



# ENAMEL COATED BOILERS

## TSE-V Double Coil



### GENERAL INFORMATION

- ✓ The inner surfaces of the boiler are advanced technology enamel coating.
- ✓ 200-400 µm enamel thickness.
- ✓ Electrostatic painted galvanized steel body.
- ✓ All surfaces in contact with clean water are hygienic and smooth, which does not allow bacterial growth.
- ✓ It is used for the preparation and storage of hot water together with solar collectors and heat sources.
- ✓ Produces fast hot water thanks to the expanded coil.
- ✓ Polyurethane with high quality insulation.



TSE-V D	150	200	300	500
---------	-----	-----	-----	-----

#### Basic data

Empty weight	kg	60	80	120	220
Full weight	kg	210	270	410	700
Dimensions (height/diameter)	mm	1400x500	1200x600	1800x600	1700x730
Maximum working pressure	Bar	6	6	6	6
Max permissible boiler water temperature	C	90	90	90	90
Tank material	-	Enamel coated on low carbon steel			
Outer Cylinder Material	-	Elektrostatic painted galvanized steel			
Insulating material	-	Polyurethane 30mm 40 kg/m <sup>3</sup>			

#### 1.Heat source exchanger

Water volume of the heat exchanger	Liters	3.5	5.2	6	12
Heat exchanger surface area	m <sup>2</sup>	0.6	0.9	1.05	2
Maximum working pressure	Bar	6	6	6	6

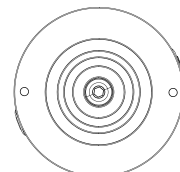
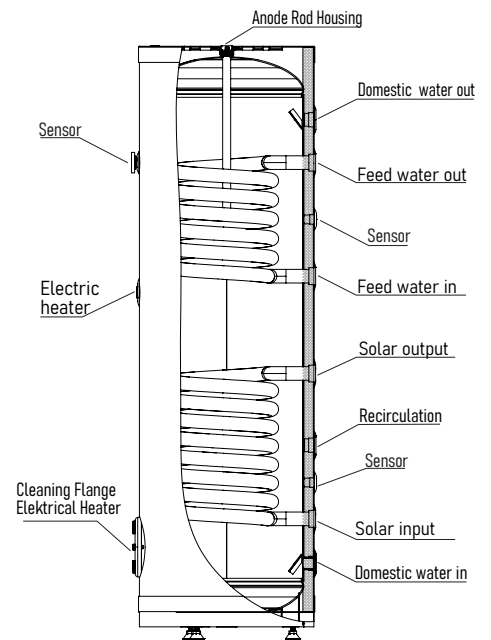
#### 2.Heat source exchanger

Water volume of the heat exchanger	Liters	3.5	3.5	5.2	7.8
Heat exchanger surface area	m <sup>2</sup>	0.6	0.6	0.9	1.3
Maximum working pressure	Bar	6	6	6	6

#### Pipe Connection

Domestic water in/out	inch	1"	1"	1"	1"
Feed water in/out	inch	1"	1"	1"	1"
Cleaning Flange	inch	DN 100	DN 80	DN 100	DN 100
Electric heater	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Anode rod	inch	1"	1"	1"	1"
Sensor	inch	1/2"	1/2"	1/2"	1/2"

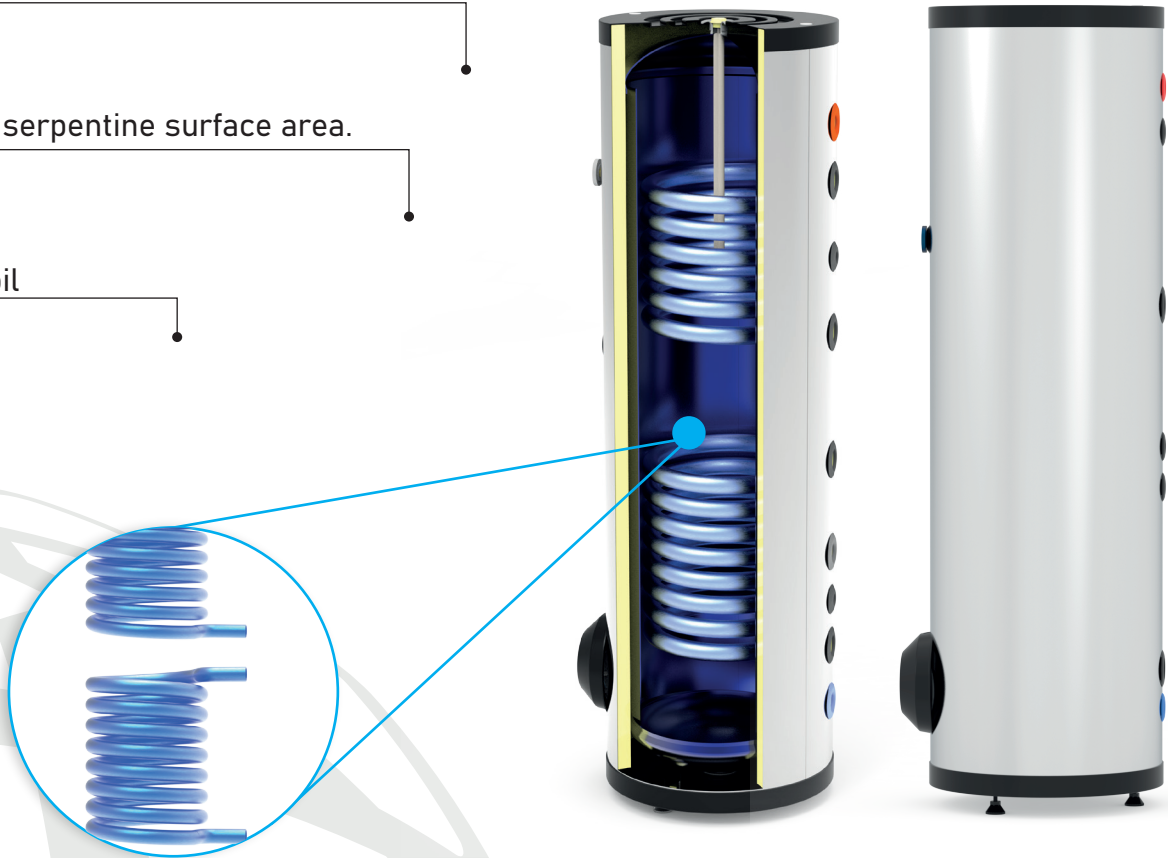
\*Solimpeks reserves the right to make changes to this table at any time.



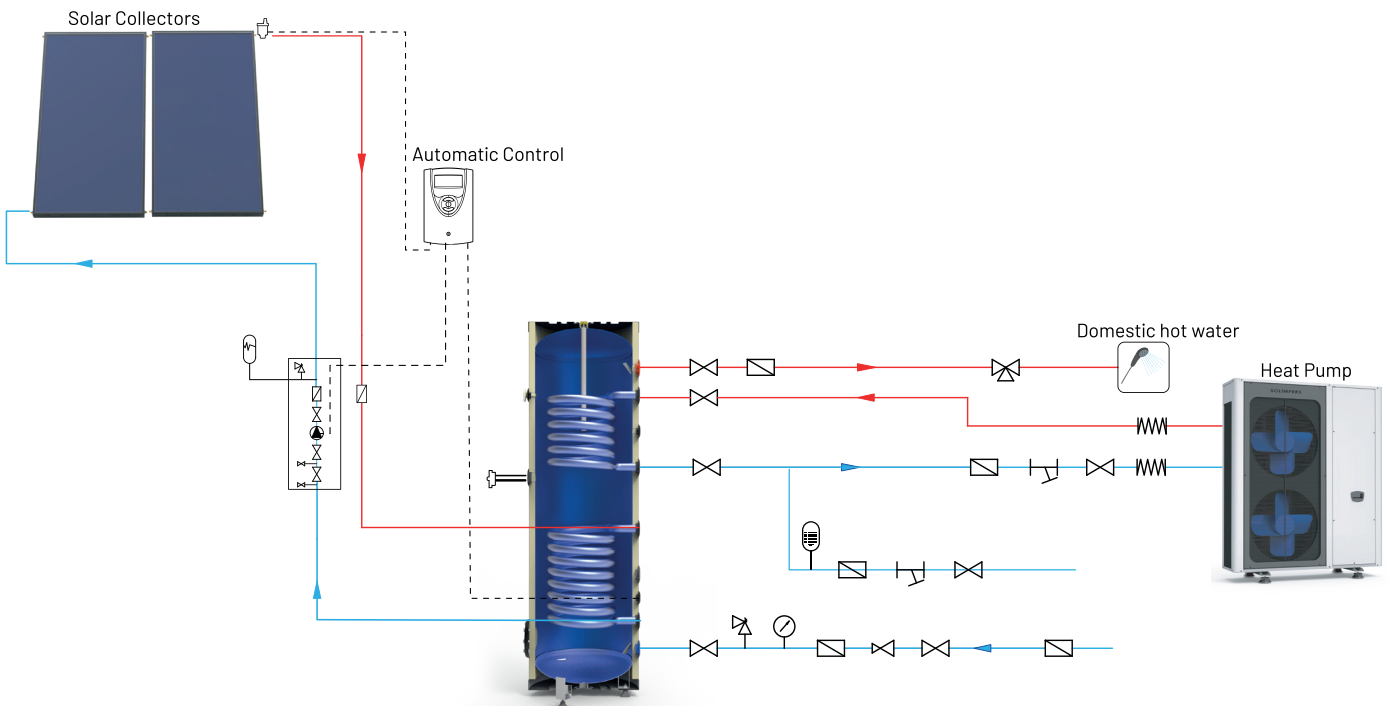
200-400  $\mu\text{m}$  enamel thickness.













Expanded serpentine surface area.

Double Coil



## SCHEMATIC DIAGRAM OF INSTALLATION



 Valve	 Strainer	 Manometer	 Check Valve	 Electrical resistance	 Safety Valve
 Pump	 Mixer Valve	 Air vent	 Expansion Tank	 Pressure Reducer	 Compensator