



# SOLITANK

## DHW TANK + BUFFER



### GENERAL INFORMATION

- ✓ Domestic hot water heat exchanger made of stainless steel AISI 316L provides almost doubled surface area in comparison with rigid pipe applications. Greater surface area means better heat transfer capacity and higher efficiency.
- ✓ It creates a turbulent flow in the stainless steel (AISI 316L) hose, which has a growing impact on the transfer of heat. An assessment of the laminar flow, the temperature stratification is reversed and the flow rate in the middle of the hose is decreased. These outcomes significantly enhance the exchanger performance, with extra than 50% extra performance as compared to the traditional tube.
- ✓ Stainless steel (AISI 316L) hose corrugations keep moving as a result of constant thermal expansion and compression, this movement prevents the lime and residue formation on the hose surface and provides longer service life.
- ✓ A hygienic storage tank.
- ✓ Perfectly matched with heat pumps.
- ✓ When choosing a non-solar heat source, this is the most efficient model.
- ✓ Polyurethane with high quality insulation.
- ✓ No anode rod required and minimum maintenance.
- ✓ No legionella bacteria



### SOLITANK

200

300

500

800

1000

#### Product information

		C	C	D	E	E
Energy efficiency class	-	C	C	D	E	E
Heat loss	W	74	85	140	195	220
Tank volume	Liters	170	245	460	850	1030

#### Basic data

		kg	kg	kg	kg	kg
Empty weight	kg	65	85	120	165	190
Full weight	kg	235	330	580	1015	1220
Dimensions (height/diameter)	mm	1200x540	1700x540	1700x750	1850x1010	2130
Max permissible boiler water temperature	C	130	130	130	130	130
Maximum working pressure	Bar	6	6	6	6	6
Outer Cylinder Material	-	Electrostatic powder painted ST 37 steel			Leatherette jacket	
Insulating material	-	Polyurethane 50mm 40 kg/m <sup>3</sup>			Foam Rubber 80 mm 14kg/m <sup>3</sup>	
Tank material	-	HRP 6222/3mm				

#### Domestic water exchanger (stainless steel AISI 316L)

		12	12	13,5	22,5	27,5
Water volume of the heat exchanger	Liters	12	12	13,5	22,5	27,5
Domestic water heat exchanger surface area	m <sup>2</sup>	3.83	3.83	4.3	7.23	8.76
Maximum working pressure	Bar	6	6	6	6	6

#### Solar heating support (stainless steel AISI 316L)

Water volume of the heat exchanger	Liters					
Heat exchanger surface area	m <sup>2</sup>					
Maximum working pressure	Bar					

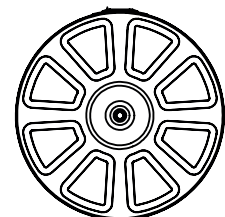
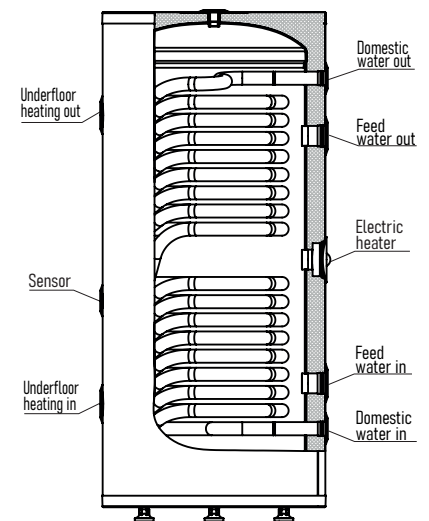
#### Thermal output data

		140	210	420	750	900
Amount of hot water without reheating at a discharge rate of 8 l/min	Liters	140	210	420	750	900
Amount of hot water without reheating at a discharge rate of 12 l/min	Liters	120	180	380	700	820

#### Pipe connection

		1 1/4"	1 1/4"	2"	2"	2"
Feed water in/out	inch	1 1/4"	1 1/4"	2"	2"	2"
Underfloor heating in/out	inch	1 1/4"	1 1/4"	2"	2"	2"
Electric heater	inch	1 1/4"	1 1/4"	2"	2"	2"
Domestic water in/out	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Sensor	inch	1/2"	1/2"	1/2"	1/2"	1/2"

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



This picture belongs to solitank 200.

Stainless steel (AISI 316L) hose is suitable for drinking water application and highly resistant to corrosion.

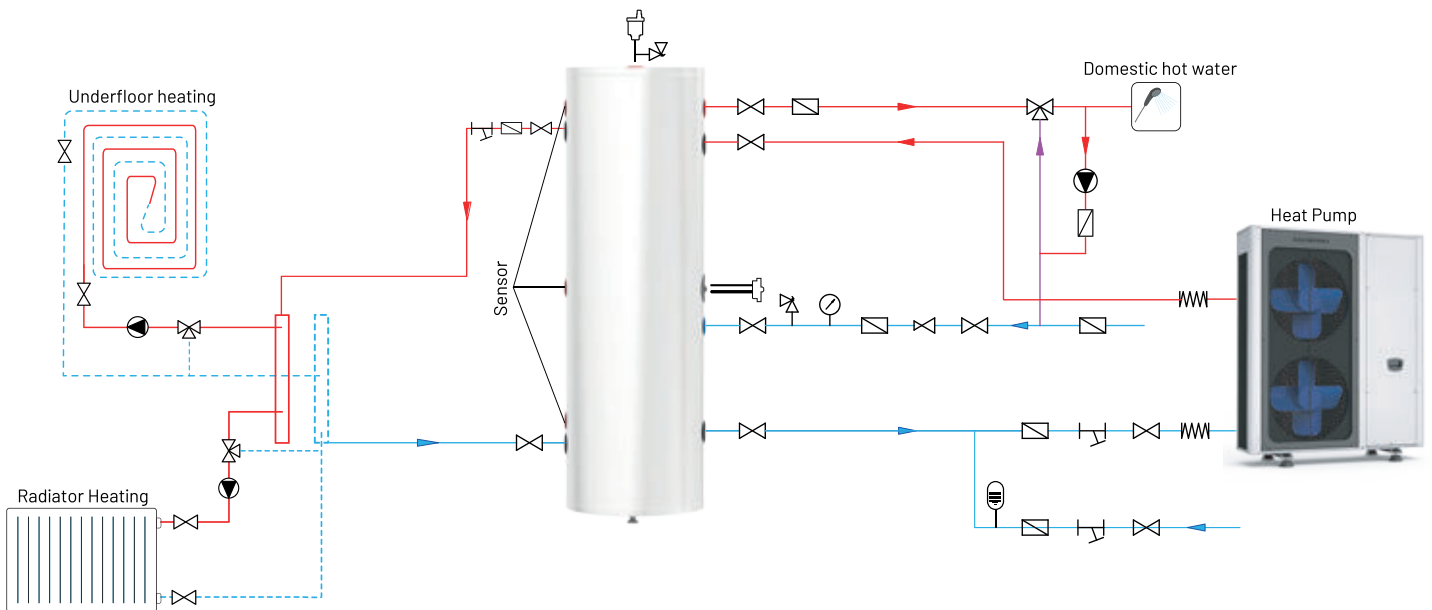
Larger surface area, better heat transfer capacity and higher efficiency













More than 50% extra performance compared to traditional pipe

Single flexible pipe



## SCHEMATIC DIAGRAM OF INSTALLATION



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