



SOLIKOMBI

DHW TANK + SOLAR 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 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 solar heat source, this is the most efficient model
- ✓ Polyurethane with high quality insulation.
- ✓ No anode rod required and minimum maintenance.
- ✓ No legionella bacteria



SOLIKOMBI

300

500

800

1000

Product information

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

Basic data

Empty weight	kg	85	120	175	190
Full weight	kg	330	580	1025	1220
Dimensions (height/diameter)	mm	1700x540	1700x750	1730x1010	2030x1010
Maximum working pressure	Bar	6	6	6	6
Max permissible boiler water temperature	C	95	95	95	95
Outer Cylinder Material	-	Electrostatic powder painted ST 37 steel		Leatherette jacket	
Insulating material	-	Polyurethane 50mm 40 kg/m ³		Foam Rubber 80 mm 14kg/m ³	
Tank material	-	HRP 6222/3mm			

Domestic water exchanger (stainless steel AISI 316L)

Water volume of the heat exchanger	Liters	12	13.5	22.5	27.5
Domestic water heat exchanger surface area	m ²	3.83	4.3	7.23	8.76
Maximum working pressure	Bar	6	6	6	6

Solar heating support (stainless steel AISI 316L)

Water volume of the heat exchanger	Liters	5.7	6.6	6.6	8.2
Heat exchanger surface area	m ²	1.83	2.1	2.1	2.6
Maximum working pressure	Bar	6	6	6	6

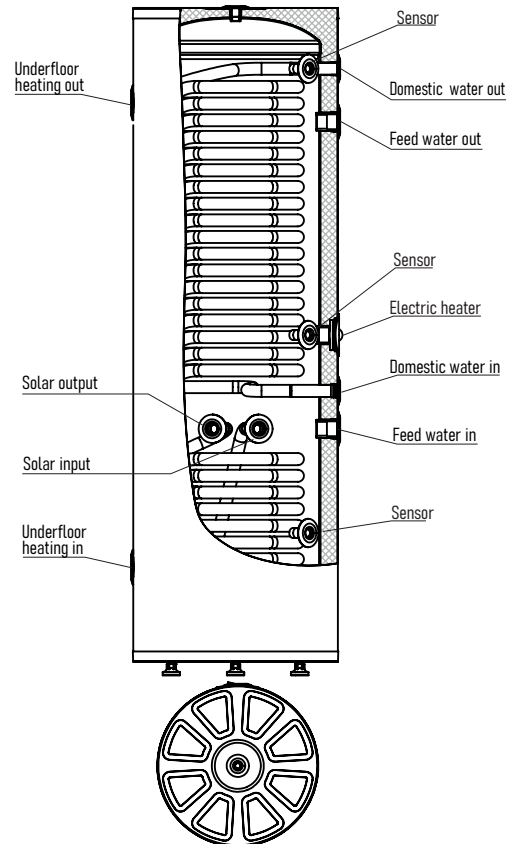
Thermal output data

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

Pipe Connection

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

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



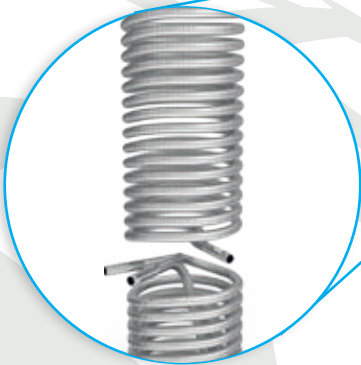
This picture belongs to solikombi 300.

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

Double flexible pipe



SCHEMATIC DIAGRAM OF INSTALLATION

