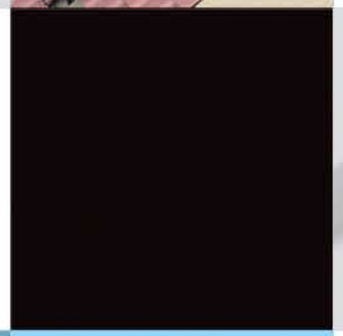

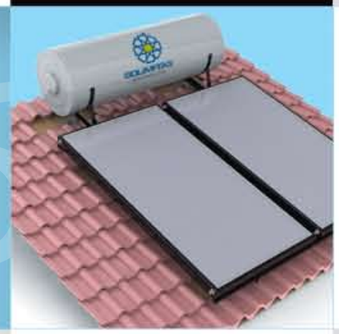

TSM

In these systems, the system liquid moves naturally without a pump's support. Solimpeks offers two options of thermosypon systems that are 200 lt and 300 lt. Designed by our R&D engineering team, with the use of steel flexible hoses, lime is minimized in these systems with optimal efficiency. In addition, with light weight tank and simplicity of installation, it is considered one of the most user-friendly systems aside from its competitive price.

* Maintenance free
* No need magnesium anode

Technical Specifications

THERMO SYPHON SYSTEMS

TSM

	TSM 200	TSM 300
Output Capacity	250 Liter	400 Liter
Working Operating Pressure Bars	6	6
Maximum Operating Temperature (c)	95 °C	95 °C
Insulation Material	PU (CFC free)	PU (CFC free)
Insulation Density / Thickness	40 kg/m^3 / 50 mm	40 kg/m^3 / 50 mm
Thermal Loses (W/K)	2.5	3.0
Electrical Power	2 kw optional	2 kw optional
Inner Cylinder Dimensions	900x480 mm	1340x480 mm
Heat Exchanger	CrNi 316 L Stainless Steel (AIS 316 L)	CrNi 316 L Stainless Steel (AIS 316 L)
Outer Cylinder Materials	Electrostatic Powder Painted st 37 Steel	Electrostatic Powder Painted st 37 Steel
Boiler Inner Dimensions	1150 Length x 446 mm Diameter	1675 Length x 446 mm Diameter
Boiler Final Dimensions	1200 mm Length x 540 mm Diameter	1725 mm Length x 540 mm Diameter
Electric Cable (type and dimensions)	3x4 mm	3x4 mm
Outer Cylinder Thickness	0,5 mm	0,5 mm
Ip Protection	IPx4	IPx4
Weight Empty (kg)	65 Kgs	98 Kgs
Weight Full (kg)	235 Kgs	332 Kgs

	Wunder CLS 2510	Wunder CLS 2108 X 2 Units
Dimensions	1988x1218x90 mm	1988x1041x90 mm
Casing Material	Electrostatic Painted Aluminium Case	Electrostatic Painted Aluminium Case
Weight	44 kg.	37.2 kg.
Sealing Material	EPDM & Silicone & Aluminium Frame	Epdm & Silicone & Aluminium Frame
Gross Area	2.42 m2	2.07 m2
Absorber Area	2.23 m2	1.90 m2
Absorber Material	Selective Coated Cooper	Selective Coated Cooper
Absorbtion	%97	%97
Emittance	%3	%3
Welding Method	Ultrasonic Welding	Ultrasonic Welding
Header Tube Wall Thickness	0.70 mm	0.70 mm
Number of Tube	10	9
Glass Material	Low Iron Tempered Glass	Low Iron Tempered Glass
Transmittance of Glass	%91	%91
Insulation Material	Rock Wool	Rock Wool
Thermal Conductivity	0.037 W/(mK)	0.037 W/(mK)
Stagnation Temperature at 1000 W/m^2 and 30 °C	211 °C	211°C
Maximum Operation Pressure	10 bar	10 bar
Test Pressure	25 bar	25 bar
Base Sheathing	Embossed - Finished Aluminium	Embossed - Finished Aluminium
Mounting Mode	Inroof, onto-roof, flat roof	Inroof, onto-roof, flat roof