



*Efficiency and reliability, every day!*

SOLAR WATER HEATERS

**SOLFOS**

*Optimal choice  
of reliability and  
performance!*







# SOLFOS

*An elegant, durable and cost efficient proposal*

- *Short return on investment*
- *Construction strength*
- *Elegant aesthetics*
- *Quick and easy installation*



*Because evolution never stops for us!*

## TECHNICAL SPECIFICATIONS

### SOLFOS WATER TANK

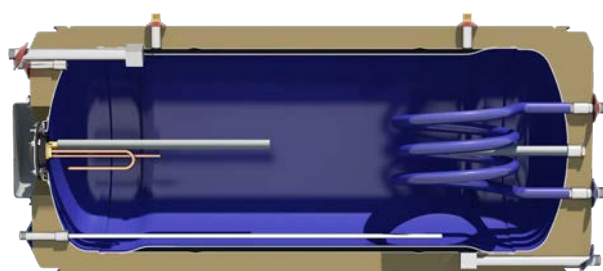
- Main Body 2.5mm thickness cold rolled steel with an internal layer of enamel (GLASS)\*, baked at 860°C according to DIN 4753
- Surrounding heat exchanger made from 1.5mm laminate steel (for the operation of the closed Loop)
- Ecological high-density thermal insulation of expanded polyurethane
- Large round galvanized steel flange complete sealing rubber protected
- Back-up heating element
- External housing of prepainted steel
- Stainless steel domestic water supplies
- Cathode protection
- Antifreeze protection
- Color: Grey / other



#### CONNECTIONS:

- Cold water inlet: 1/2" BSP stainless steel male threaded pipe end for water stratification and 8 bar safety valve for releasing pressure (3/4" for 250lt and above)
- Hot water outlet: 1/2" BSP stainless steel male threaded pipe end (3/4" for 250lt and above)
- Jacket outlet: 3/4" BSP male threaded pipe end
- Jacket inlet: 3/4" BSP male threaded pipe end
- Closed loop circuit filling point: 1/2" BSP male threaded pipe end
- Safety valve connection location (1,5 bar for 250lt and above or 2,5 bar up to 200lt): 1/2" BSP male threaded pipe end
- Ecological high-density thermal insulation of expanded polyurethane 50mm (Density 50kg/1000lt)
- External housing of pre painted steel 0.5mm

**ENERGY LABEL**  
 Energy Label Classification with Information of Energy Consumption & Efficiency of Hot Water Heaters and Storage Tanks. Compulsory Validity since 26.09.2015 according to European Directives



\* The enameling is done in our own high-tech industrial facilities. The tanks are checked individually upon exit from the enameling unit, thus assuring the top quality of the enamel.

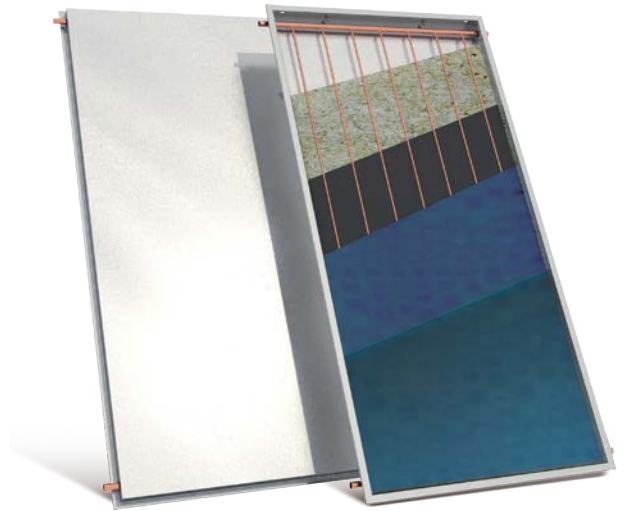
- EPDM Rosettes
- Cathode protection by magnesium anodes for effective protection against corrosion and mineral deposits caused by electrolytic reactions
- Large round flange rubber protected: innovative, smart design for the quick cleaning of minerals, fast replacement of anode and immediate access to the electrical components
- Heating element rated according to the country of destination local regulations. (Optional, for the use of electricity as an auxiliary power source)
- Regulated thermostat with bipolar protection and auxiliary fuse. (All electrical components carry a CE marking according to EN 60335-1 and EN60335-2-21 standards)
- Heat exchanger (optional) with 3/4" BSP male threaded ends for use of the heating produced by central heating systems during the winter

TYPE	CAPACITY	DIMENSION (MM)
160lt	151 lt (tank) / 9 lt (jacket)	Ø 580 x 1130
200lt	193 lt (tank) / 13 lt (jacket)	Ø 580 x 1390
250lt	243 lt (tank) / 19 lt (jacket)	Ø 580 x 1760
300lt	293 lt (tank) / 19 lt (jacket)	Ø 580 x 1965

## SOLFOS COLLECTOR

### Type: Glazed Flat Plate

- Glass: 3.2mm prismatic, low iron, extra clear, tempered glass
- Back insulation: Rockwool 100 kg/m<sup>3</sup> thickness 24mm
- Thermal conductivity of the back insulating material ( in 10oC ): 0.035W/mK
- Sealing material: EPDM rosettes
- Casing: One piece bended galvanized laminate 0.5mm thickness
- Copper waterframe
- Selective aluminum absorber.  
Absorbency / radiation coefficient 95% ±2% / 5% ±2%
- External, one piece bended tray made from galvanized laminate
- Collector frame of aluminum profile
- Complete area absorber, laser welded
- Tempered solar glass panel, with a stable coefficient of expansion and high light transmittance
- High density, eco-friendly thermal insulation
- Color: Grey / other



### ABSORBER

Technology used for fitting between absorbing surface and tubes:

laser welded

- Absorber's surface: Aluminium 0.4mm with Selective coating (95%±2%)
- Waterframe: made from Copper tubes (manifolds Ø8x0.4mm, Headers Ø22x0.7mm)
- Maximum operation pressure: 10bar

TYPE	DIMENSION (mm)
1.5m <sup>2</sup>	1502 x 1002 x 65
2.0m <sup>2</sup>	2002 x 1002 x 65
2.3m <sup>2</sup>	2002 x 1132 x 65
2.6m <sup>2</sup>	2002 x 1262 x 65

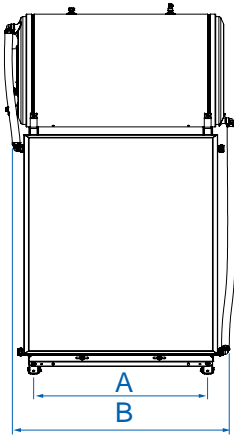
## SOLFOS SUPPORT BASE SYSTEM

Split support base system designed for easy and quick installation

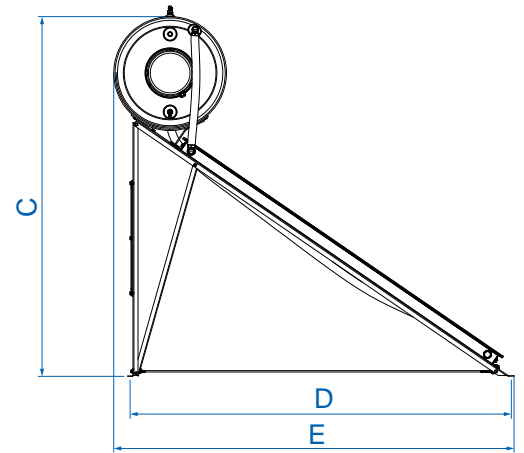
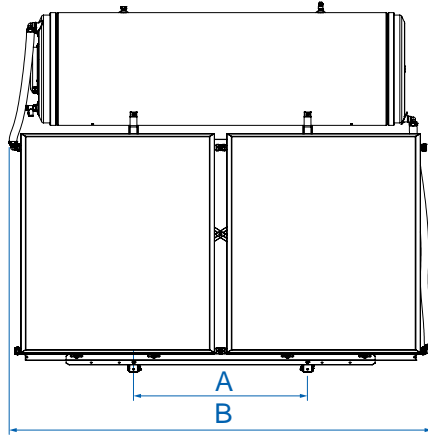


## DIMENSIONS (in mm) FLAT SURFACE

1 COLLECTOR



2 COLLECTORS



### AVAILABLE MODELS

TYPE	A	B	C	D	E
160x2.0	900	1123	1861	1974	2072
200x2.3	900	1425	1861	1974	2072
200x2.6	900	1425	1861	1974	2072
300x4.0	900	2189	1861	1974	2072
300x4.6	1340	2449	1861	1974	2072
300x5.2	1340	2709	1861	1974	2072





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## SOLAR WATER HEATERS

# SOLFOS

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