



# Solar Waterheaters

*Long-term savings due to reduced energy bills*

*Maintaining hot water temperature even at low external temperatures*

*Reliable and efficient water heating even in low sunlight conditions*

*Plenty of alternative solutions for the energy planning of every household*

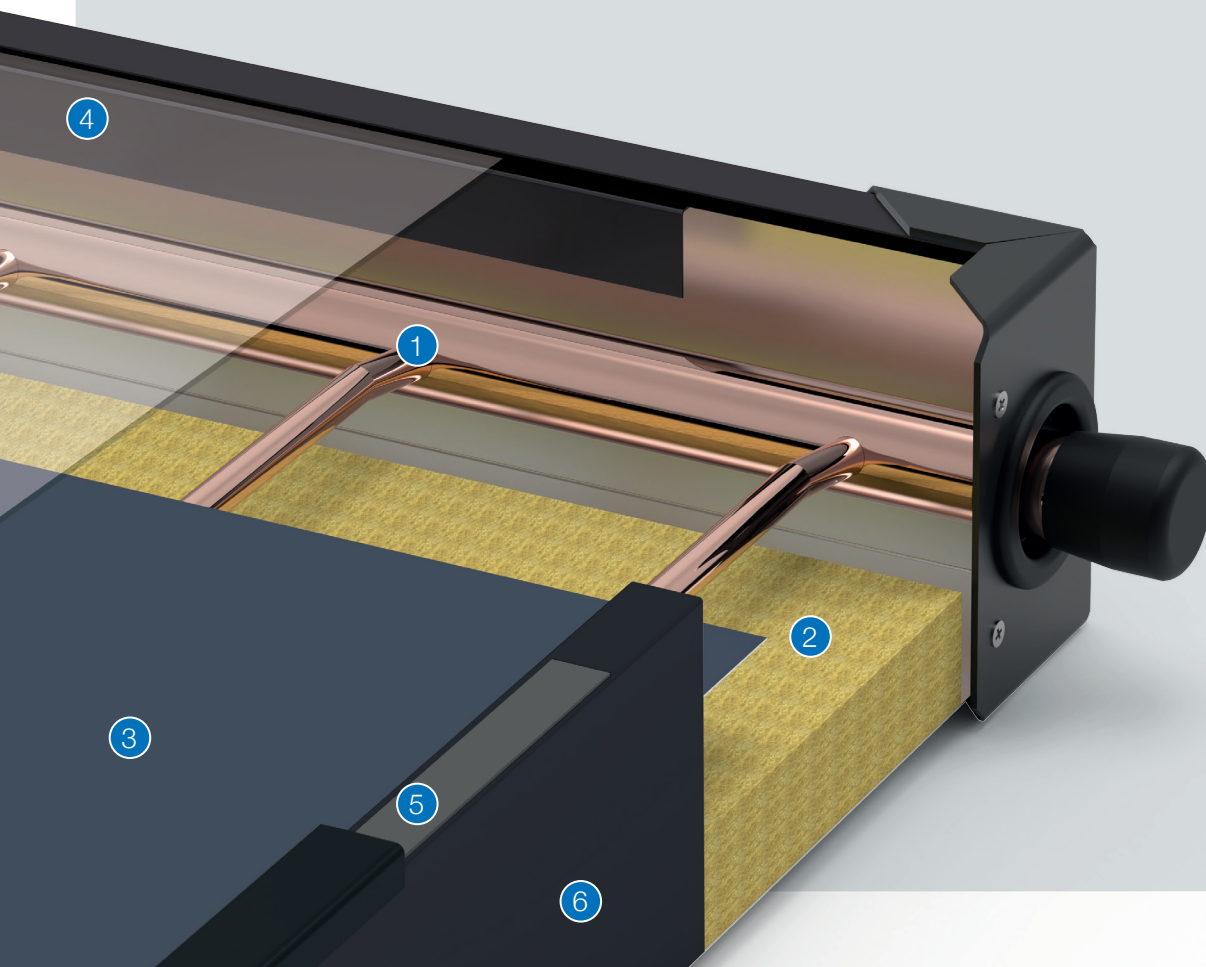
*Designed for long life with proper maintenance*





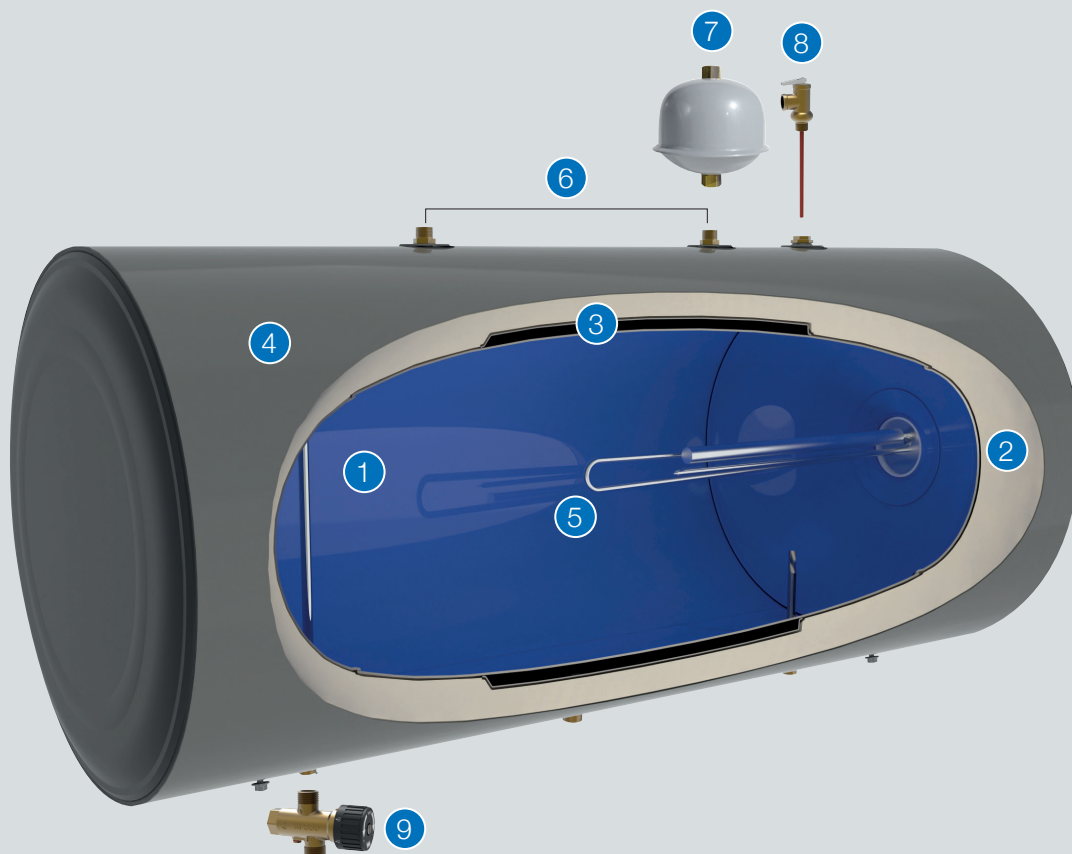
# Collector

1. Hydroskeleton with 10 vertical copper pipes in the 2m<sup>2</sup> collector and 11 pipes in the 2.5m<sup>2</sup> Ø8mm cross-section and horizontal Ø22mm cross-section pipes. With 4 alternative connection points (outputs) of the closed circuit.
2. The mineral wool of 30mm thickness (24kg/m<sup>3</sup>) and thermal conductivity of 0.036 W/mK provides unparalleled insulation to the collector, which in combination with the 2 ventilation points create the ideal performance conditions.
3. The aluminum sheet is selectively painted and the thickness of 0.4mm increases its conductivity.
4. The outer glass is 3.2mm thick safety glass with low iron content.
5. The glass is applied with silicone to the panel, while there is a special frame around the perimeter, which protects the joint from weather conditions.
6. The collector frame is black pre-painted aluminum, which passes all endurance tests. It is tolerant to the distortions required during installation, without losing its mechanical characteristics.
7. The non-toxic mono-propylene glycol is used as a thermal fluid, as it has characteristics that offer smooth operation to the system in both normal and adverse weather conditions.



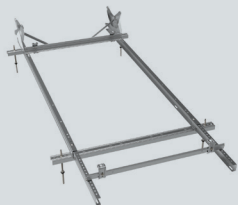
# Boiler

1. Material and glaze. The sheet has a thickness of 2.5mm single enamel, which protects the tank and water hygiene.
2. The 48kg/m<sup>3</sup> polyurethane insulation keeps the water temperature at the desired levels.
3. The exchanger is made of 1.5mm thick sheet metal with the same gap as the tank, in order to achieve the maximum flow.
4. The outer shell of pre-painted galvanized sheet metal follows the strictest specifications for outdoor material. It is subjected to simulations of thermal resistance (thermal shock), salt spray and acid rain.
5. Electric resistance 3.5kw with IP44 tank protection. The resistor cap is flanged and turned upside down for insulation.
6. Ergonomic system for filling / topping up liquids of the closed circuit with the use of 2 valves and a 2.5 bar safety valve.
7. Closed circuit expansion vessel (sold separately). It works in support of the 2.5 bar safety valve, ensuring the completeness of the closed circuit so that there is no need for frequent liquid topping up.
8. Temperature & Pressure Safety Valve (sold separately), which applies to the third wait for the open circuit.
9. Thermostatic Mixing Valve (sold separately).
10. In the triple energy tanks the coil is 4m long integrated with similar material on the boiler for longevity of the system.



## Mounting System

The mounting systems are made from 1,5mm thickness galvanized steel and manufactured according to the stability and resistance against time and adverse weather conditions.



The smart packaging includes the mounting system, fittings, hoses and fluids, achieving easy installation, less storage space, and easy transportation.



## Features



The panel frame is a single sheet metal, without thermal bridges.



2 ventilation points that create the ideal performance conditions.



4 connection outputs



The tank is screwed on the base. The bolted tank now functions as a structural element.

## Safety & Installation Accessories

**Closed Circuit Expansion Vessel**



Code: **026901201**

**Thermostatic Mixing Valve**



Code: **026901401**

**Temperature & Pressure Safety Valve**



Code: **026901301**

**Overheating Protection Cover**



Code for 1,5m³ Collector: **026006301**  
Code for 2m³ Collector: **026006101**  
Code for 2,5m³ Collector: **026006201**

Suitable only for the closed circuit of the solar water heater. At the bottom, it is connected to the tank and on its top side the 1.5 bar safety valve is installed.

It is placed in the hot water supply, controlling the temperature and providing protection against burns. At the same time, it helps to save energy.

It provides automatic overpressure (at 10 bar) and overheating protection (at 99°C) by keeping the temperature below 95°C at the closed circuit.

It is waterproof and reflects all the solar radiation, therefore pauses the solar collector. It can be easily installed with binding straps and it comes in a storage packaging.

## Solar Waterheater PREMIUM 160lt, Selective Collector Panel 1x2m<sup>2</sup>

Tank Dimensions: Ø50 × 128,5cm

Collector Dimensions: 96 × 196 × 8cm



Code	Description
<b>026005201</b>	<b>Double</b> Energy Tank 160lt
<b>026005401</b>	Selective Collector 1x2m <sup>2</sup>
<b>026005701</b>	Base for Terrace
<b>026006401</b>	<b>Triple</b> Energy Boiler 160lt
<b>026005401</b>	Selective Collector 1x2m <sup>2</sup>
<b>026005701</b>	Base for Terrace
<b>026005901</b>	Base for Tile Roof

## Solar Waterheater PREMIUM 160lt, Selective Collector Panel 1x2,5m<sup>2</sup>

Tank Dimensions: Ø50 × 128,5cm

Collector Dimensions: 121 × 196 × 8cm

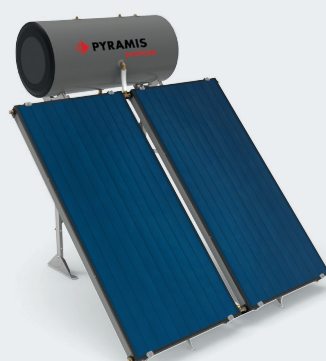


Code	Description
<b>026005201</b>	<b>Double</b> Energy Tank 160lt
<b>026005501</b>	Selective Collector 1x2,5m <sup>2</sup>
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<b>026006401</b>	<b>Triple</b> Energy Boiler 160lt
<b>026005501</b>	Selective Collector 1x2,5m <sup>2</sup>
<b>026005701</b>	Base for Terrace
<b>026005901</b>	Base for Tile Roof

## Solar Waterheater PREMIUM 200lt, Selective Collector Panel 2x1,5m<sup>2</sup>

Tank Dimensions: Ø58 × 128,5cm

Collector Dimensions: 96 × 146 × 8cm



Code	Description
<b>026005301</b>	<b>Double</b> Energy Tank 200lt
<b>026005601</b>	Selective Collector 1x1,5m <sup>2</sup>
<b>026005801</b>	Base for Terrace
<b>026006501</b>	<b>Triple</b> Energy Boiler 200lt
<b>026005601</b>	Selective Collector 1x1,5m <sup>2</sup>
<b>026005801</b>	Base for Terrace
<b>026006001</b>	Base for Tile Roof





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