



# PYRAMIS

## Solar Waterheaters

*Significant long-term savings through reduced energy consumption and lower utility bills*

*Consistent hot water temperature, even during cold weather conditions*

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

*Wide range of energy planning options, tailored to the needs of every household*

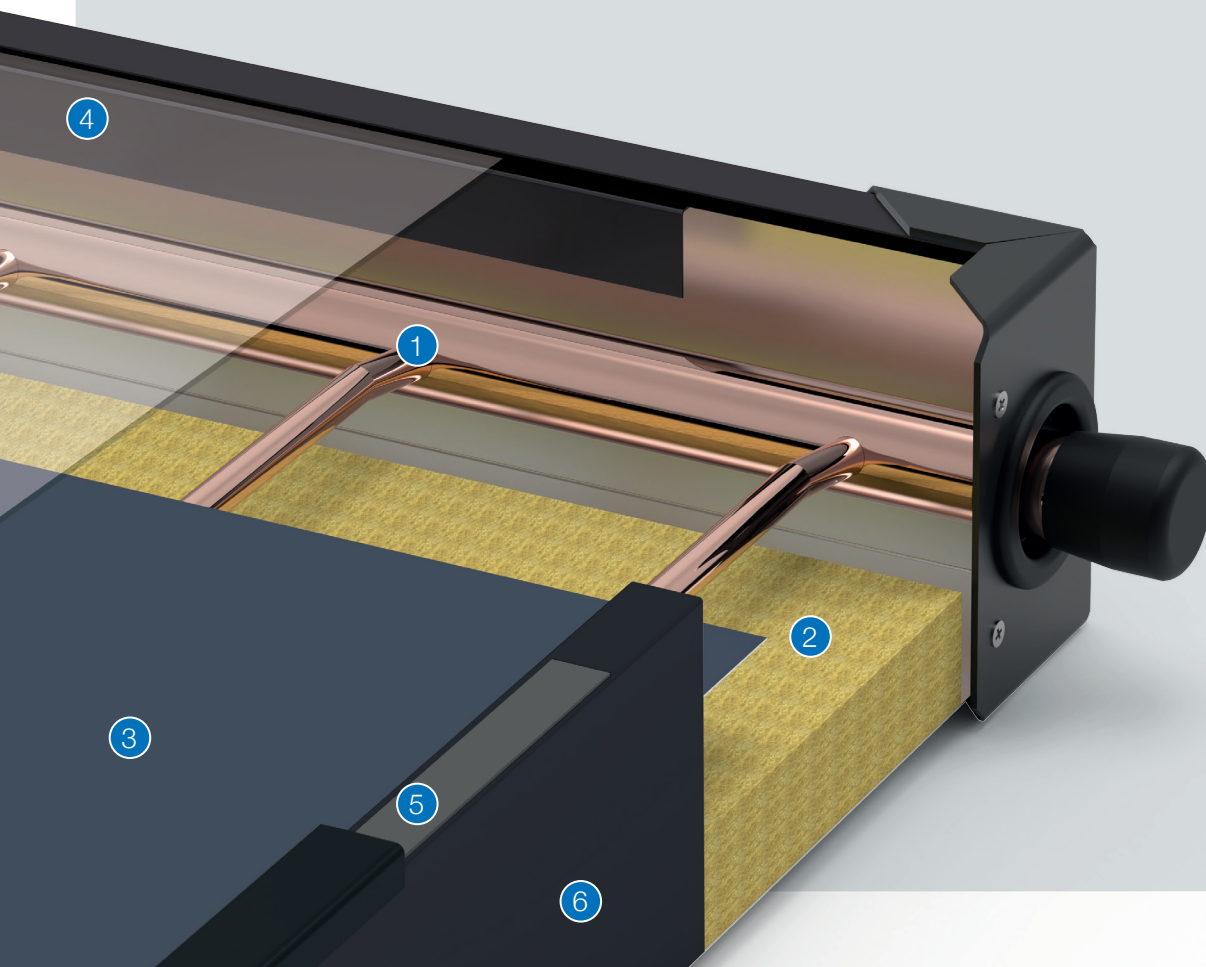
*Durable and long-lasting design, with proper maintenance over time*





# Collector

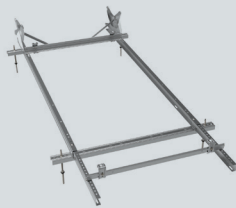
1. The collector is equipped with a hydraulic frame consisting of 10 vertical copper pipes in the 2m<sup>2</sup> model and 11 pipes in the 2.5m<sup>2</sup> version, each with a diameter of Ø8mm. The horizontal pipes have a diameter of Ø22mm, ensuring uniform heat transfer fluid circulation. It features 4 alternative connection points for the closed circuit, allowing for flexible installation configurations.
2. The collector is insulated with 30mm mineral wool (24kg/m<sup>3</sup>,  $\lambda=0.036$  W/mK), ensuring high thermal insulation and minimal losses. Two ventilation points support optimal system performance.
3. The aluminum sheet features selective coating and a 0.4mm thickness, enhancing its thermal conductivity.
4. The outer glass is 3.2mm thick safety glass with low iron content offering enhanced transparency and performance.
5. The glass is applied with silicone to the panel, while the perimeter frame protects the joint from weather conditions, ensuring durability and stability.
6. The collector frame is black pre-painted aluminum, resistant to distortions during installation, without losing its mechanical properties.
7. Non-toxic mono-propylene glycol is used as a thermal fluid, ensuring smooth system operation in both normal and adverse weather conditions.



## Mounting System

The mounting systems are made of 1.5mm galvanized sheet metal, ensuring stability and resistance to adverse weather conditions.

The smart packaging includes the mounting system, fittings, hoses and fluids, offering easy installation, space-saving, and easy transportation.



## Features



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



2 ventilation points for the ideal performance conditions.

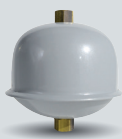


4 connection outputs.



The tank is screwed onto the base and functions as a structural element.

## Safety & Installation Accessories



Closed Circuit Expansion Vessel



Thermostatic Mixing Valve



Temperature & Pressure Safety Valve

Suitable only for the closed circuit of the solar water heater. Connected to the tank at the bottom and the 1.5 bar safety valve is installed at the top.

It is placed in the hot water supply, controlling the temperature, protecting against burns, and helping to save energy.

It provides protection against overpressure (10 bar) and overheating (99°C), keeping the temperature below 95°C in the closed circuit.

Code

026901201

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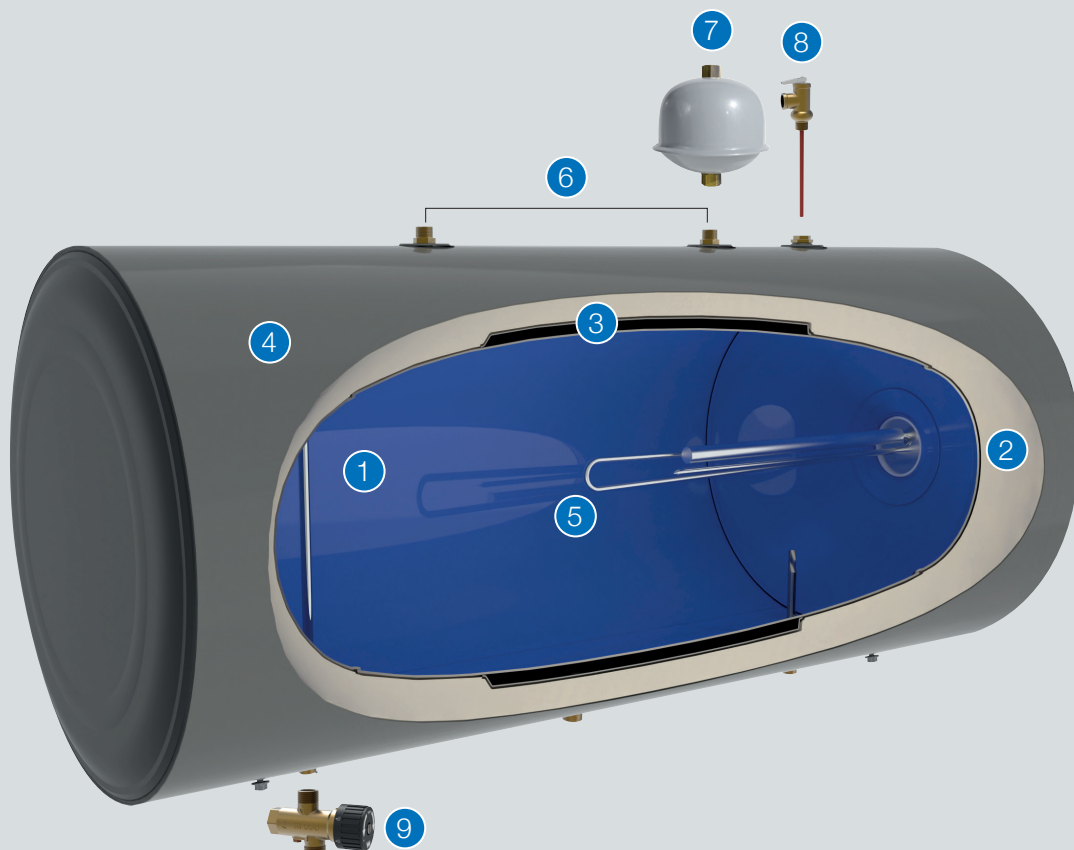
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Code

026901301

# Boiler

1. Material and glaze. 2.5mm thick sheet metal with single enamel coating, protecting the tank and ensuring water hygiene.
2. Polyurethane insulation of 48kg/m<sup>3</sup> for the maintenance of 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, meeting the strictest outdoor material standards, resistant to 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 Filling System: Liquid filling system for the closed circuit using 2 valves and a 2.5 bar safety valve.
7. Closed circuit expansion vessel (sold separately). It supports the 2.5 bar safety valve, ensuring the completeness of the closed circuit and reducing the need for frequent liquid topping up.
8. Temperature & Pressure Safety Valve (sold separately), installed on the third connection for the open circuit.
9. Thermostatic Mixing Valve (sold separately).
10. Triple Energy Tanks: 4m long coil integrated with similar material on the boiler for long-lasting system durability.



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

Tank Dimensions: Ø50 × 128,5cm

Collector Dimensions: 96 × 196 × 8cm



Code	Desription
<b>026005201</b>	Double Energy Tank 160lt
<b>026005401</b>	Selective Collector 1x2m <sup>2</sup>
<b>026006401</b>	Triple 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

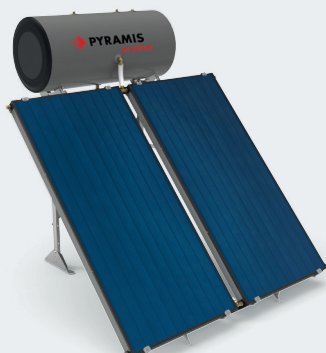


Code	Desription
<b>026005201</b>	Double Energy Tank 160lt
<b>026005501</b>	Selective Collector 1x2,5m <sup>2</sup>
<b>026006401</b>	Triple Energy Boiler 160lt
<b>026005501</b>	Selective Collector 1x2,5m <sup>2</sup>
<b>026005701</b>	Base for Terrace
<b>026005901</b>	Base for Tile Roof

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

Tank Dimensions: Ø58 × 128,5cm

Collector Dimensions: 96 × 146 × 8cm



Code	Desription
<b>026005301</b>	Double Energy Tank 200lt
<b>026005601</b>	Selective Collector 1x1,5m <sup>2</sup>
<b>026006501</b>	Triple 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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