

MAGICSUN

Invest in the Future with the MONOBLOC PANEL Natural Circulation

AR150L-316 Inox
AR150L-304 Inox
AR200L-316 Inox
AR200L-304 Inox



Inox 316 is the preferred choice for applications requiring greater durability and superior performance in aggressive, corrosive environments and offers additional protection against weathering and salt, justifying its higher cost. While **Inox 304** is suitable for most general applications.



Elegant
design



Rapid recovery
investment



Quick and
easy
installation



High
performanc
e

High Performance, Energy Efficiency and Elegant Design

Discover the **MAGICSUN** panel, the all-in-one device designed to revolutionise domestic hot water production by combining high performance, refined aesthetics and quick installation.

Main Benefits

The elegant and modern design not only blends perfectly into any environment, but is also a practical and efficient solution. With our panel, you can enjoy a quick payback on your investment, thanks to the contribution of the Conto Termico 2.0 (DM 16/02/2016), which incentivises interventions to increase energy efficiency and the production of thermal energy from renewable sources for small installations.

DETAILED FEATURES

The **MAGICSUN** panel has a number of innovative features that optimise performance and functionality.

Advanced Heat Transfer Technology: Thanks to the use of materials with high thermal conductivity, panel ensures maximum efficiency in heat transfer, allowing reduced waiting times for hot water and guaranteeing constant performance even in adverse environmental conditions.

Electronic Control Unit and Integrative Heating Element

Kit: The system is equipped with a kit consisting of:

- 1.5 kW, 220 V/50 Hz electric heater for integration.
- Control unit equipped with a display with thermostat function and an output for heater control (+ antifreeze function).

-Temperature probe with thermowell.

NOTE: the electric heater performs its supplementary function by bringing water (at the temperature set in the control unit) only to the water contained in the storage pipe

Eco-compatibility: Designed with a focus on sustainability, the panel uses renewable energy sources and ensures low carbon emissions during its operation. This not only contributes to the protection of the environment, but also meets current energy efficiency regulations.

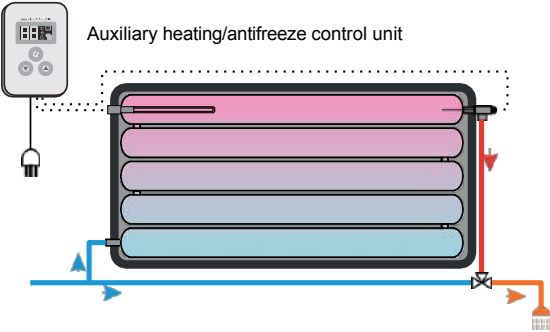
Compact and Versatile Design: small size and compact design allow easy installation in tight spaces, making it ideal for homes, offices and small businesses. The elegant finish blends harmoniously into any architectural context.

Reliability and Durability: Built to stand the test of time, the **MAGICSUN** panel is made of materials, ensuring long life and low maintenance requirements. Due to stringent manufacturing standards, each unit is tested to ensure reliability even under critical operating conditions.

Easy Installation and Maintenance: The panel comes complete with everything needed for installation, reducing installation time and costs. Detailed instructions allow for easy installation, and our after-sales service provides support for those in need.

PRINCIPLE OF OPERATION

TOP-QUALITY MATERIALS



Auxiliary heating/antifreeze control unit

Solar glass

tempered Insulating panel

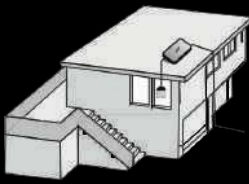
transparent Integrated collector tank

Insulated case

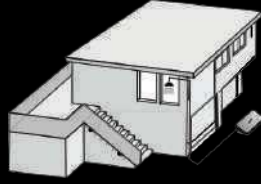


Types of INSTALLATION

The **MAGICSUN** panel is extremely versatile and can be installed in different configurations:



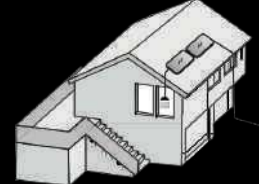
Flat roof installation



Ground installation



Installation on pitched roof



multiple connection

Flat Roof Installation: This configuration is frequently used in urban settings, where ground space is limited. The panels can be mounted on a sloping support structure, optimising the angle of exposure to the sun. This method improves the efficiency of thermal output by maximising the absorption of solar radiation throughout the day.

Ground Installation: Perfect for environments where vertical surfaces or roofs cannot be used, this configuration involves placing the panels directly on the ground. It is ideal for large installations or agricultural applications, where hot water can be collected in combination with heating systems for greenhouses or farms.

Installation on Sloping Roofs: The panels can be integrated with existing structures on sloping roofs, ensuring a particularly aesthetic and functional installation.

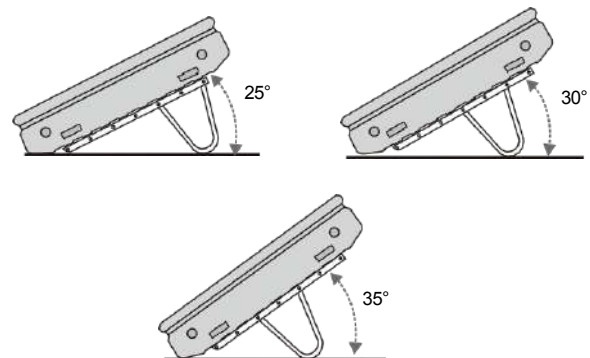
This type utilises the natural slope to facilitate water run-off and improve the efficiency of heat collection. It is essential to assess the orientation and inclination of the roof to ensure maximum yield.

Parallel Connection: This configuration allows several panels to be connected in series or parallel increase the overall capacity of the system. Parallel connection is advantageous in situations where you want to optimise the flow of hot water from multiple sources without significantly increasing pressure losses.

This approach allows the system to be modularised, facilitating different needs for domestic hot water production in residential and commercial settings.

*These different types of installation not only extend the operational versatility of the **MAGICSUN** panel, but also ensure optimal performance according to the specific needs of the site and the customer.*

Choose a suitable corner for installation



Innovation and Sustainability

Our commitment to the environment is reflected in our use of state-of-the-art technology to environmental impact and energy efficiency. With the **MAGIC- SUN** panel, you not only save energy, but also contribute to a more sustainable future.

*Rely on ARYA's excellence and innovation for an unrivalled hot water experience. Invest in the future with the **MAGICSUN** panel.*

TECHNICAL DATA	AR150L	AR300L
GROSS AREA	1.905m ²	1.905m ² *2
DIMENSIONS	2140x890x226mm	2140 (*2)x890x226mm
EMPTY WEIGHT	42kgs	42kgs*2
CAPACITIES	150L	150L
MAX. OPERATING TEMPERATURE	85°C	85°C
MAX. OPERATING PRESSURE	4 bar	4 bar
ELECTRICAL RESISTANCE	1.5KW	1.5KW
CONNECTIONS	2x3/4" F	2x3/4" F
INSTALLATION	Flat roof/ pitched roof	Flat roof/ pitched roof
USERS		

TECHNICAL DATA	AR200L	AR400L
GROSS AREA	2.499m ²	2.499m ² *2
DIMENSIONS	2100x1190x220mm	2100 (*2)x1190x220mm
EMPTY WEIGHT	60kgs	60kgs*2
CAPACITIES	200L	400L
MAX. OPERATING TEMPERATURE	85°C	85°C
MAX. OPERATING PRESSURE	4 bar	4 bar
ELECTRICAL RESISTANCE	1.5KW	1.5KW
CONNECTIONS	2x3/4" F	2x3/4" F
INSTALLATION	Flat roof/ pitched roof	Flat roof/ pitched roof
USERS		

THERMAL PERFORMANCE

