



Lato<sup>s.a.</sup>

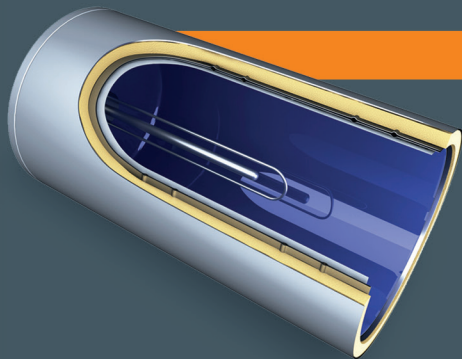
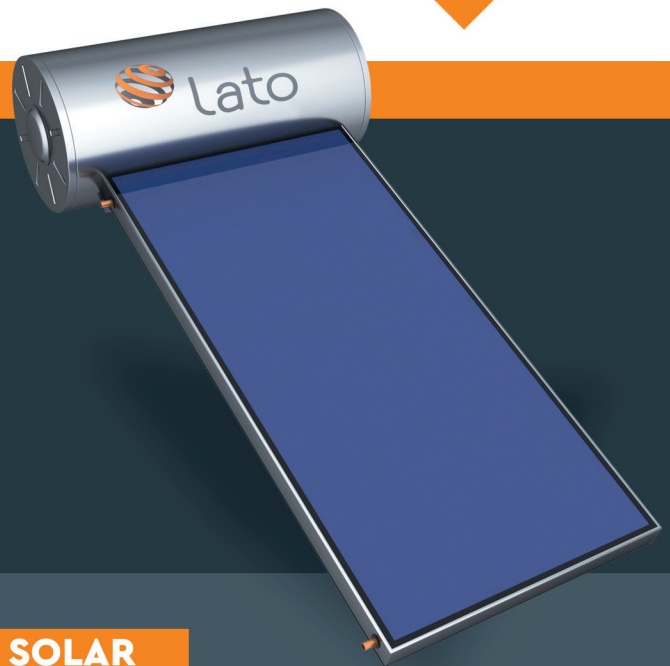
HOT WATER  
**SOLAR SYSTEMS**



MADE IN HELLAS

# THERMOSIPHON SYSTEMS

**LATO** Thermosiphon System of solar heating guarantees high efficiency and low cost maintenance. On the one hand, this environmentally – friendly system supplies all your hot water needs absorbing only a scant amount of sunlight, on the other hand, it fully exploits a streamlined method of circulating natural water without using neither a pump nor a control unit. A solar collector and a storage tank are the main components of the Thermosiphon System that also includes sufficient connection fittings.

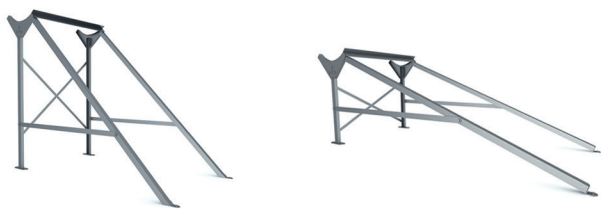
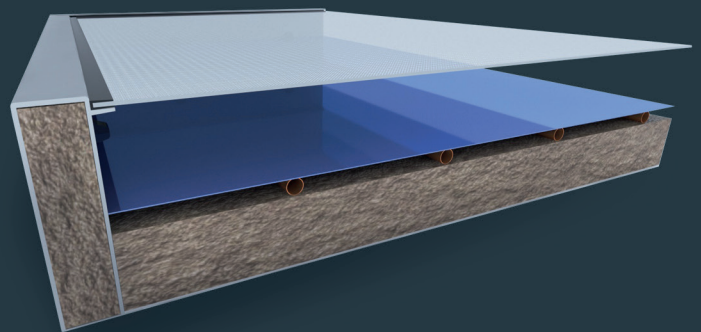


## SOLAR STORAGE TANK

Such tanks are of 150 up to 300 liters with internal enamel coated. Their external cylinders is made of inox 304, or painted galvanized steel. They are also ecological polyurethane insulated, an electric back up heat exchangers are definitely included.

## SOLAR COLLECTOR

Made of aluminum anodized profile, non-corrosion technology, covered with tempered glass and insulated with glass wool. A coated (TINOX) absorption plate significantly conduces to its effectiveness. Size area from 1.5 to 2.9m<sup>2</sup>.



## STEEL STAND

**LATO** provides you with various stands fitted for installation on flat roofs. They are made of (Magnelis) galvanized steel in order to withstand extreme weather conditions being absolutely durable.

## CONNECTING KIT

**LATO** systems come with a connecting kit that includes items of equipment indispensable to installation.

TANK TYPE	COLLECTOR SIZE	COLLECTORS OVERAL AREA
150	1305x1503 mm	1,96m <sup>2</sup>
200	2006x1007 / 2006x1257 mm	2,02m <sup>2</sup> / 2,53m <sup>2</sup>
300	1503x1007 / 2006x1007 mm	3,02m <sup>2</sup> / 2,02m <sup>2</sup>



# CENTRAL INSTALLATIONS

**LATO** central installations use great quantities of heated water transferred through an array of collectors whose number and size often vary based on the commercial prerequisites occurred. They are suitable for blocks of flats, hotels, hospitals or even industries. Apart from the conventional sources of energy that conduce to their operation, big storage tanks along with smaller individual ones can be installed in any of the aforementioned consumption units.

**LATO** experience in carefully and closely positioning solar installations is immense.

It takes the requirements each site imposes into series consideration and respects the environment via energy-saving applications.

TANKS				
TANK TYPE	DIAMETER	INSULATION	WEIGHT	HEIGHT
500	750	100 mm SOFT PU	185 kg	1720
750	950	100 mm SOFT PU	263 kg	2010
1000	1050	100 mm SOFT PU	315 kg	2060
1500	1050	100 mm SOFT PU	367 kg	2310
2000	1350	100 mm SOFT PU	750 kg	2310

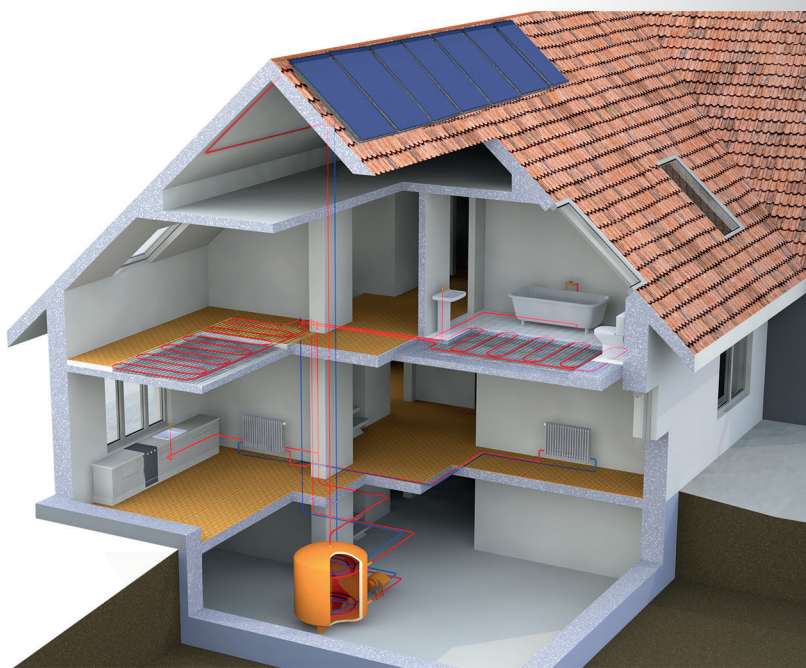
## AVAILABLE WITH ONE OR TWO COILS



Daily water consumption per person is 40-50 L

## FORCED CIRCULATION SYSTEMS

Forced circulation systems are responsible for releasing water or similar fluids that can propagate heat into a series of collectors to supply tanks of all sizes that can be installed either in household basements or in hotel swimming pools. Pumps, valves and controllers flexible of being suitably laid are used.



# ELECTRIC WATER HEATERS

**LATO** electric water heaters are available with or without an internal heat exchanger in a wide range of 10 up to 120 lt.

- 1 | An outer casing made of 0.6 mm thick steel sheets that are electrostatically painted at 200 °C.
  - 2 | A boiler made of a steel sheet after a process of extra deep extrusion, that is 2.0 mm thick, particularly suitable for enamelling, and whose endurance is tested at a pressure of 15 atmospheres.
  - 3 | Strong ecological polyurethane insulation, 20 kg/m<sup>3</sup> density and 20 mm thickness.
  - 4 | Electrical resistance up to 3500W with a safety thermostat that can easily be replaced.
  - 5 | Thermometer.
- > Fewer joins - weldings, and consequently an improved vitrification application.
  - > Maximum resistance to corrosion.
  - > High mechanical endurance.



<b>Litres</b>	10	25	40	60	80	100	120
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Available in vertical and horizontal



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