



TRiMO[®]
■ TO EARTH WITH LOVE ■

PRODUCT PROFILE

Electric water heaters

TECHNICAL DATA

STEEL AND ENAMEL WATER TANK (Glass)

Water storage tank: made of cold rolled steel. The thermal tank is shaped in special patterns and is robotized welded, thus achieving: **A)** perfect enamel application, **B)** real capacity, **C)** smooth developing pressure relief, without distressing the unit.

Double internal layer of enamel: baked at 860°C, according to DIN 4753 standard, for protection against electrolysis. The enamelling is done in our own high tech industrial facilities. The water tanks are checked individually upon exit from the enamelling unit, assuring the top quality of the enamel.

Hot water outlet (consumption): stainless steel 1/2" BSP male threaded pipe end, with special plastic adapter.

Cold water inlet (supply): special shaped 1/2" BSP male threaded divider, for even water stratum.

10 bar non-return valve: for safe and controlled hydraulic pressure relief.

Steel pressed neck for the heating element: without welding, with internal incision for easy and quick heating element installation, no need for special tools (locknuts). Extraction and re-installation of the heating element in less than one minute.

Full bodied gasket: for sealing the heating element from the thermal tank, thus protecting the heating element flange from electrolysis and corrosion.

Heating element: rated according to the country of destination local regulations. It can be pulled away from the flange*.

Heat exchanger with 3/4" BSP female threaded pipe ends, made of stainless steel hose, large exchange surface for use of the heating produced by central heating systems during the winter (optional).

Cathode protection: by magnesium anode Ø22x150mm for effective internal protection against corrosion and mineral deposits caused by electrolytic reactions.

Automatically regulated thermostat with bipolar protection and auxiliary fuse*.

Protective cover for the electrical section: modern plastic cover, specially designed for easy access. Without cables, it locks with just one screw. Ventilation holes specially designed for safe water vapor aspiration.

Seal: Sealed entry of the heating element connection cable, with a rubber collar on the cable.

Operation indication light*.

Thermal insulation: ecological high-density (40kg/m³) expanded polyurethane ensures minimum heat loss, maintaining the hot water temperature.

Insulation thermal conductivity: $\lambda=0.023$ W/m K
 (DIN 56612, measured at 10°C) (DIN EN ISO 845, DIN 53 421, ISO 4590, DIN ISO 2796).

External housing with modern designed side panels: electrostatically robotized painted with high-grade polyester white painting for weatherability.

Water tank seating base of double hanging brackets, of 2mm steel for easy and secure installation.

Modern designed thermometer.

Mounting: vertical or horizontal

Packed in carton boxes for safe and easy storage - transportation.

* All electrical components carry the CE marking according to EN 60335-1 and EN60335-2-21 standards.



Innovative design

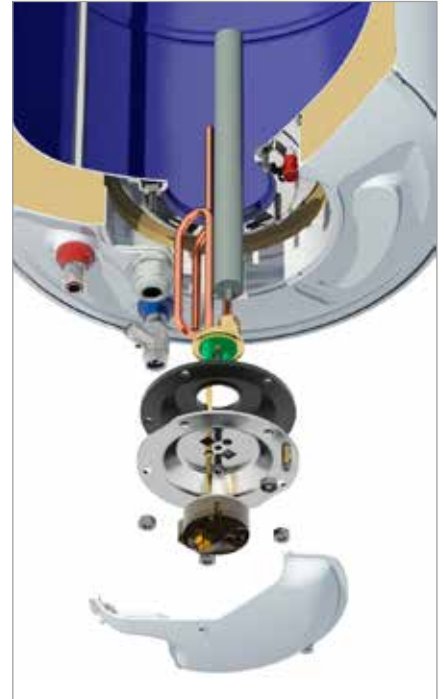
The thermal tank is shaped in special patterns and is robotized welded, thus achieving ideal capacity and at the same time smooth developing pressure relief, without distressing the unit.

Study

TRIMO Electric Water Heaters are designed with 3D-Cad software that enables on time error tracing and correction and assures total correspondence between photorealistic reality and the final product.

Accuracy

The hydrodynamic behaviour of the model is tested by a specialized industrial system, achieving model accurate calculation and ideal dimensioning, so that the geometry of the product assures damping of the exercised pressures.



Control

Product reliability is assured by control procedures at the various production stages (welding leakage test, pressure strength test, electrical part test, enamel conductivity test etc).

Quality

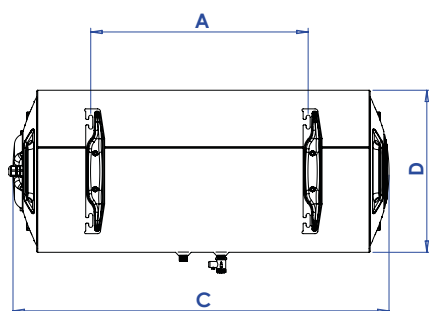
The selection of the raw materials is a determinative point, which is done according to the most strict quality specifications.

TRIMO Electric Water Heaters are specially designed to withstand high mineral content in the water, with effective internal protection against corrosion and mineral deposits caused by electrolytic reactions.

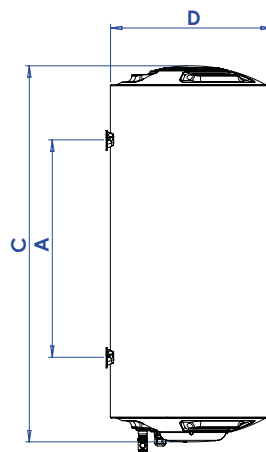
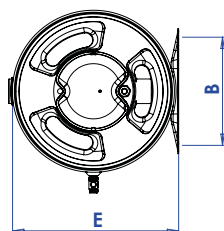


Available also in "Floor type" version

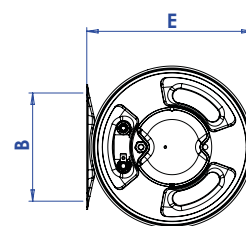
DIMENSIONS



Horizontal type



Vertical type



TYPE		PACKAGING (cm)	DIMENSIONS (cm)				
<i>Electric Water Heaters</i>	<i>Electric Water Heaters with heat exchanger</i>		A	B	C	D	E
8lt	-	46x31x29	23	19	43	23	24
20lt	-	61x38x35	25	26	51	32	33
40lt	-	59x46x46	18	26	56	43	44
50lt	-	64x46x46	18	26	61	43	44
80lt	80lt	89x46x46	43	26	84	43	44
100lt	100lt	105x46x46	58	26	99	43	44
120lt	120lt	125x46x46	73	26	119	43	44
150lt	150lt	118x58x60	50	26	107	52	54
200lt	200lt	144x58x60	76	26	133	52	54

The electric power varies between 1200W and 4000W depending on the EWH capacity.

DATA (Common for all types)	
OPERATION VOLTAGE (V)	230
MAXIMUM OPERATING PRESSURE (bar)	10
TEST PRESSURE (bar)	15
MAXIMUM OPERATING TEMPERATURE (°C)	90

