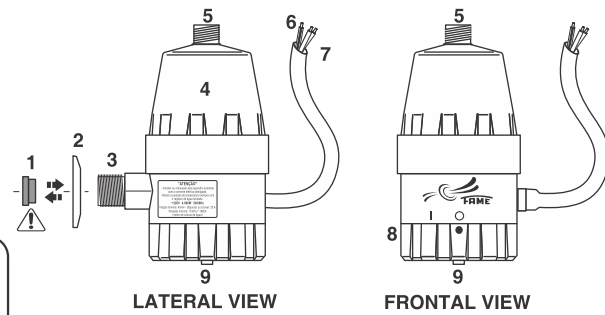




ELECTRO-AUTOMATIC HEATER

Product Description:



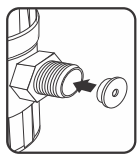
LATERAL VIEW

FRONTAL VIEW

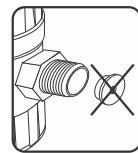


Verify the higher of the water column from the appliance to the storage tank.

1 - * Pressure reducer



* **Keep the pressure reducer** on whenever the water pressure is higher than 5 meters high (50kPa) which is normally common in building or if the product receives water directly from the street piping.



* **Remove the pressure reducer** on whenever the water pressure is below 5 meters (50kPa), which is normally common in one Ground houses or Lofts which receive the water from storage tanks.

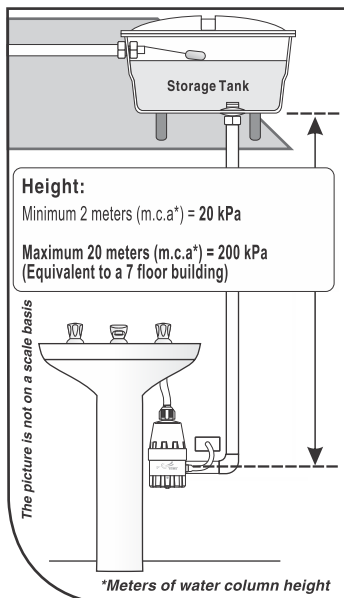
- 2 - Cover
- 3 - Water inlet nipple (1/2" GAS thread)
- 4 - Heating Chamber
- 5 - Water outlet nipple (1/2" GAS thread)
- 6 - Yellow-green wires (grounding)
- 7 - Electrical Wires
- 8 - Temperature selector:
(I) ON / (O) OFF
- 9 - Reset Device

MINIMUM HYDRAULIC PRESSURE:
20 kPa (2 m.c.a* Water column height)

See alternatives for installation.

MAXIMUM HYDRAULIC PRESSURE:
200 kPa (20 m.c.a* Water column height)

See alternatives for installation.



INSTALLATION:

This appliance must be installed by a qualified professional



- Before starting the installation ensure that **electricity supply is turned off** and that the tension (voltage) of the electrical circuit is the same of the appliance.

ATTENTION: The water pipe which will supply the Electric-Automatic Heater must not branch from the sanitary piping equipped with a flush valve, due to the strong impact it causes when activated ("Water Hammer").

THE HYDRAULIC INSTALLATION MUST NOT BE DONE USING THE STREET PLUMBING OTHERWISE IT MIGHT HARM THE APPLIANCE.

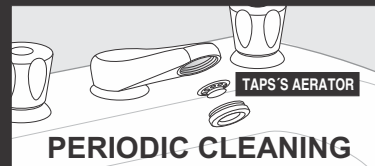
Check if the exclusive independent electric circuit that will provide energy to the heater has the necessary minimum section as in the table below:

Electrical Requirements

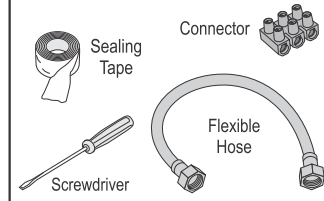
Equipment Content	Volts	Heating Element Code	Potencia nominal (Watts)	Minimum Wire Section (mm ² / AWG)	Circuit breaker (Amperes)	Maximum distance from circuit breaker (m)
Check the product specification on the package	127	023	4.800	6/8	40	18
	220	024	4.800	4/10	32	21
	220	1.608	5.400	4/10	32	32

(* For larger distances contact a technician when happens variation in the tension (voltage) it will also happen variation in the tension (voltage) it will also happen variation in the temperature of the water. The electric circuit should also have the grounding outlet wire with maximum impedance of 2 Ω (ohms) to which the heater's green-yellow wire will be connected, to guarantee the customer protection.

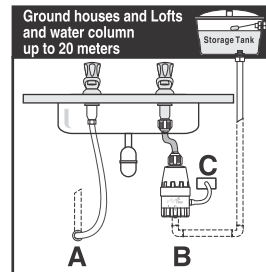
Tips: It is necessary occasionally to clean the tap's aerator to avoid clogging which might harm the heater operation.



- *MATERIALS NEEDED:**
- Sealing tape
 - Screwdriver
 - Connector
 - Flexible Hose
- *These materials do not come with the Electric Automatic Heater.

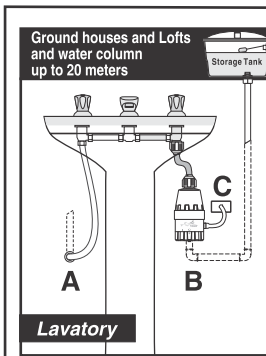


Alternatives for Installation



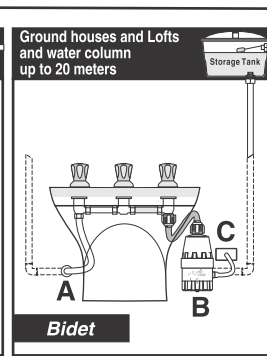
Sink

SINK: Basin or Wall-mount taps up to 20 mca (meters of water column height) equivalent to a 7 floor, building **A** and **B** = Water outlet and **C** = Switch box.



Lavatory

The system used to connect Electric-Automatic heater is divided into strings coming directly from the storage tank with normal pressure conditions (ground houses, lofts and water column up to 20 meters equivalent to a 7 floor building) **A** and **B** => Water outlet and **C** = Switch box.



Bidet

! For all alternatives the hydraulic connection must not be done using the street plumbing otherwise it might harm the appliance.

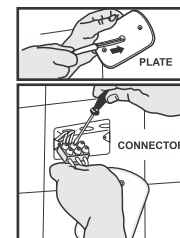
Electrical Installation

Before starting the installation ensure that the electricity supply is **turned off**.

Pass the assembling (wirings + Grounding) through the plate (if so).

Connect the wirings using the connectors which must be very tight and place inside the electric box.

Close the electric box with the plate if there is and screwed.



*The plate is not included

*The connector doesn't come with the electro-Automatic Heater

!
Important for your safety

The electric installation of the Fame's Heater must be done by an exclusive and independent circuit connected to the electrical supply board.

Problems and possible Solutions

PROBLEM	POSSIBLE REASON	SOLUTION
Heater doesn't Start	Low water pressure	Minimum pressure 20 kPa, remove pressure reducer.
	Low flow of water, piping diameter Lower than heater (Ø = 6,5 mm).	Replace the outlet piping for a big one or the same as (Ø 6,5 mm). Required pressure remains = 2 m.c.a.
	DR breaker / switch are disassembled.	Rearm DR breaker and verify your conditions of use.
	Fuse is burnt.	Change the fuse.
	Temperature selector is on "switch off" position.	Select on position.
	Aerator of the Tap is clogged.	Clean the aerator of the Tap.
	Piston locked.	Check manual instructions of the Reset Device.

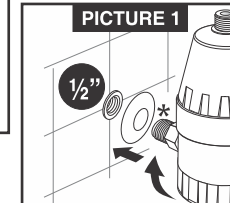
Hydraulic Installation

From the alternatives of installation the boards by side proceed as follows:

Clean up the water outlet where the appliance will be installed.

Open the water tap and let the water flow to eliminate the residues. Check the hydraulic connection diameter which must be 1/2" or use an adapter.

Apply sealing tape on the inlet nipple and screw (Picture 1) the Electric-Automatic Heater in the hydraulic connection using **only your hands** and tightening it very well.



* **Apply sealing tape** (this material does not come with the Electric-Automatic Heater)

Once the hydraulic installation is completed and **before starting the electrical installation, open the water-tap and let the water flow** for some seconds. This operation aims to fill the heating chamber and to avoid damage to the resistance.

Handling

Place the temperature selector in the position ON / OFF. **Always close the water-tap before changing temperatures.**

- Before using the Electric Automatic Heater open the water tap and let the water flow for some second to activate the resistance, its peculiar noise indicates that it is working. As the water gets warmer, open the water-tap more for a higher volume of water.

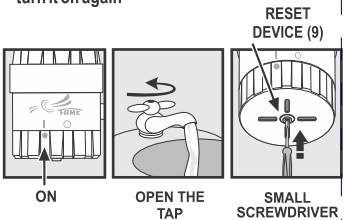
- When the Electric-Automatic Heater is installed with a "mixing set", the hot water handle must always be opened first to control the flow and to obtain the desired temperature. If the water temperature is too high, open the cold water handle to mix the cold and hot water and so obtain the desired temperature.

- The resistance stops working when the water-tap is closed, but the Electric-Automatic Heater remains connected to the electrical circuit.

- If the appliance will not be used for a long period of time it is recommended to turn off the water-tap feed water. **To turn on the appliance again follow the procedures below:**

RESET DEVICE:

Always when the appliance remain without use for a long period, use the reset device to turn it on again



It aims to unlock the piston where the water pressure is low. Place the temperature selector in the ON position, open the Water-tap letting water to fill the appliance then push the reset device with a small screwdriver.

- **Never make use of plugs or outlets in the electric fittings of the Electric Tap.** Give preference to connectors.

- Ensure that the grounding wire is properly connected to an efficient grounding system.

- To turn off this appliance from the electrical network an exclusive circuit breaker compatible to the equipment's capacity (See technical specifications) must be used.

- The water resistivity at the temperature of 15° C must not be less than 1300Ωcm.