



Electric Tap

Product Description

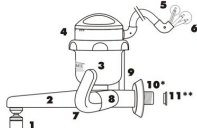
Cleaning the register-axle "aerator"

When the spray plate flow is irregular it must be removed and its filter cleaned (pictures 1, 2 and 3).



Tips

- Keep this package with the instructions for further reference.
- At warm position the energy saving is about 30%.
- Make a good use of your Electric Tap by setting the electrical and hydraulic installation in a correct way, ensuring a higher durability.

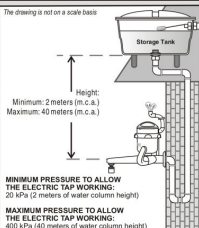


- 1 - Register-axle "Aerator"
- 2 - Prolongator Tip
- 3 - Heating chamber
- 4 - Cover/ Temperature selector:
 - ||| WARM - COLD - HOT
- 5 - Yellow-green wire (grounding)
- 6 - White/ blue wire (electrical circuit)
- 7 - Stop-tap handle
- 8 - Stop-tap body
- 9 - Cover
- 10 - "Water inlet nipple (1/2" GAS thread)
- 11 - "Thermoplastic water pressure reducer

* If it is necessary to reduce the hydraulic connection diameter from 1/2" to 1/4", use a bush with a total internal screw thread (pass band). (use an adapter).

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

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



Technical Specifications

For this equipment specifications see the information related to the energy consumption in the back of this package. Check if the exclusive and independent electric circuit that will provide energy to the Tap has the necessary minimum gauge, as shown in the table below:

Equipment Content	Tension (Volts)	Resistance (Ohms)	Normal Working Current (Amperes)	Power (Watts)	Minimum wire section (mm ² /AWG)	Minimum Section from the Circuit (Amperes)	Maximum Section from the Circuit (Amperes)
Check the product specification on the package	127	0021	4,800	3,000	1,0/6	40	31
	220	0022	4,800	3,000	4/10	25	37
	220	0433	5,400	3,400	4/10	30	33

Installation Steps

It is recommended that this equipment must be installed by a qualified professional.



- Before starting the installation ensure that the electricity supply is turned off. The tension (voltage) of the circuit is the same of the appliance and if the wire gauges and the circuit breaker are in accordance with the specifications described in the tag next to the bar code.

- To connect the appliance wires to the electric circuit use FAME connectors or other good quality brand of your preference.

- Never make use of plugs or outlets.

- On phase + neutral circuits, the white wire should be connected to the phase and the blue to the neutral. On phase + phase circuits there is not this distinction.

- On biphasic circuits of 220 volts (F+F) should be used a two pole circuit breaker.

- The water resistivity at the temperature of 15°C must not be less than 1300Ω.cm. Level of protection IP-24.

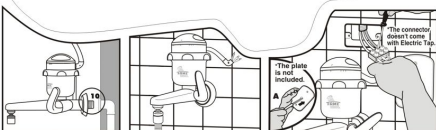
- The Electric Tap must be connected to an exclusive and independent circuit originated from the respective switchboard protection key.

Before starting the installation, ensure that the main switch or the one which will exclusively command the electric circuit for the Electrical Tap is turned off and also that the tension (voltage) of the circuit is the same of the appliance.

- *Needed Materials:**
- Connector
 - Teflon tape
 - Screwdriver
- *These materials do not come with the Electric Tap.



1 Clean up water outlet to eliminate any residue. Open the stop-tap and let the water flow in order to eliminate the residues.



2 Apply teflon tape on the inlet nipple (10) and screw the Electric Tap in the pipe using only your hands, holding the body of the stop-tap and tightening it properly.

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

4 Ensure that the electricity supply is turned off. Pass the assembling (wiring + grounding) through the plate (if not) as displayed (figure A). After that connect the wirings using FAME connectors - never make use of plugs or outlets - which must be very tight and place them inside the electric box. Close the electric box with the plate (if there is) and screw it.



The handle can be opened by turning it anticlockwise and closed by turning it clockwise.

On phase + neutral circuits, the white wire of the Electric Tap should be connected to the phase and the blue to the neutral. On phase + phase circuits there is not such distinction. The yellow-green wire should be connected to the grounding system.

⚠ For your safety: Do not touch to connect the grounding wires. If the circuit does not include a grounding system please contact a qualified professional. Do not use a Neutral wire as grounding.

Now, turn on the electric circuit and enjoy your Electric Tap. Don't forget to close the stop-tap before changing the position of temperature selector.

Use Instructions

Place the Temperature selector in the position (|| |) warm - (|) cold (|| |) hot. Always close the stop-tap before changing the position of temperature selector.

Before using the Electrical Tap, open the stop-tap and let the enough water flow for some seconds to activate the resistance, its peculiar noise will indicate that it is working. When warm water comes from the Tap, open more the stop-tap in order to get a stronger spray making sure it does not get cold.

- The resistance stops working when the stop-tap is closed, but the Electrical Tap remains connected to the electrical circuit.
- 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.

Problems and Solutions

PROBLEM	POSSIBLE REASON	SOLUTION
Electric Tap doesn't start	Low water pressure/water flow	Minimum pressure to activate 1,2 m.c.a. or 12 kPa. Remove pressure reducer.
	Switch is off	Turn switch on. Verify the switch use conditions.
	Fuse is burnt	Replace the fuse.
Electric Tap Heats Less	Temperature selector is on the () COLD position	Select the () WARM or () HOT position.
	DR breaker / switch are disassembled	Observe the connections to the equipment. Verify the conductor in the phase and blue conductor in the neutral.
Electric Tap Heats Much	High water volume. Room temperature is below 10°C	Select () HOT position. Reduce the water pressure through the valve.
	Low water volume. Room temperature is above 25°C	Select () WARM position. Increase the water pressure through the valve.
Electric Tap Heats Much	Resistance not suitable for the climate	Replace the resistance for a more powerful one.
	Resistance not suitable for the climate	Select the resistance for a less powerful one.

Warranty

FAME LTDA. guarantees this product against eventual manufacturing damages for a period of 1 year to the appliance and 90 days to the resistance due to the different kinds of water supplying, taking into account the date of the invoicing.

Is not included in the Warranty:

- 1) Damage in the product as consequence of the accidents, bad use or handling, incorrect use, also for violation signs, inadequate purposes unless those indicated for FAME LTDA.
- 2) If the eventual damage has been occurred for the customer or another person not qualified for FAME LTDA.
- 3) If the electrical installation of the product be connected in a different Voltage as specified in the manual instruction.



Others

- 1) When changing the position of temperature selector always close the stop-tap.
- 2) The register axle has only one stage of operation and its performance will vary according to the water pressure.
- 3) The replacement, except the resistance, of any of the equipment's components (electrical contact/conductivity) can only be done at an Authorized Shop.