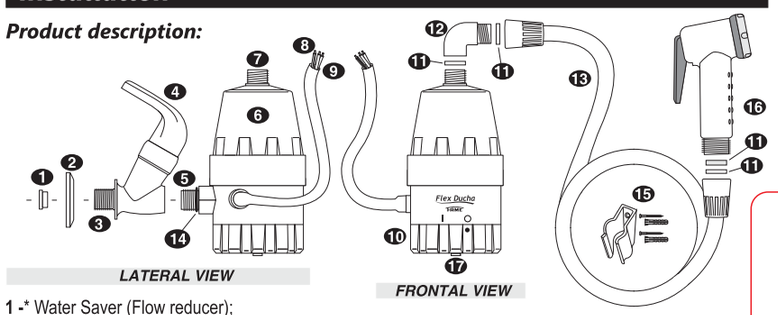
Flex Shower

For hair salons, pet shop and homes use

Installation

Product description:



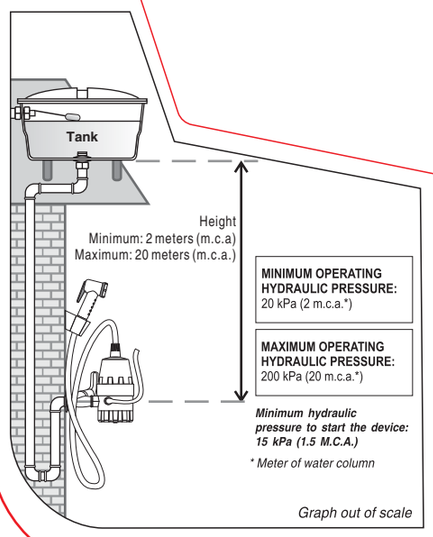
1 -* Water Saver (Flow reducer);

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

* To protect the device **keep** the Water Saver "Flow reducer " when the water column overpasses 5 meters in height (50kPa), or if the water pressure is too strong, as in buildings; or when water comes straightly from the street water system.

* **Remove** the Water Saver "Flow reducer" when the water column is between 2 and 5 meters (20 and 50 kPa), or if the water pressure is regular, as in ground or 2-floor houses which receive water from their own reservoir, etc.

2 - Cover.
3 - 1/2" water input nipple.
4 - Valve (keep closed when the device is not being used).
5 - 1/2" Water Input Nipple.
6 - Heating Chamber.
7 - 1/2" Water linput Nipple.
8 - Yellow-green cable (grounding).
9 - Cables: blue (neutral) and white (phase).
10 - Temperature selector cover: Hot (On) – Cold (Off).
11 - Packing ring seal.
12 - Elbow 90º.
13 - 1.20 m Flexible Hose .
14 - Seal of the Niple .
15 - Hand Shower Holder.
16 - Hand Shower.
17 - Reset Device.



Installation ***This device should be installed by a qualified person:***

Before starting the installation, check if the general electric switch or the one exclusively feeding the Flex Shower electrical circuit is off and if the device voltage is the same.

Attention: the water pipe feeding the Flex Shower cannot derive from a built-in WC flush valve, due to the "Fluid Hammer" strength when pushed.

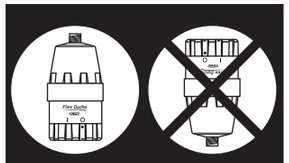
- Use the connector to connect electrical circuit cables.
- Never use plugs and sockets.
- In phase+neutral circuits, the white cable must be connected to the phase and the blue one to the neutral. In phase+phase circuits this distinction does not exist.
- Water resistivity at 15°C cannot be less than 1300 Ωcm. IP-24 Protection degree.
- The installation of electric showers must have a unique and independent circuit, deriving from the corresponding protection key in the electric case.

Electrical Requirements

Equipment Content	Volts	Nominal Power (watts)	Minimum Wire Section (mm2 / AWG)	Circuit breaker (Amperes)	Maximum distance from circuit breaker (m)*
Check the product specification on the package	127	4.000	6,0	35	28
	220	4.000	2,5	20	33

Check the device characteristics reading the data on the power consumption label outside the package. Make sure the exclusive and independent electrical circuit feeding the Flex Shower has the minimum section (gauge) of the conductor as shown in the table above.

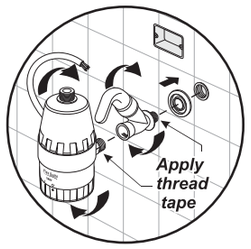
(*) For longer distances, see a qualified person. **If voltage variation occurs water temperature will also change.** The electrical circuit must have a conductor of the grounding system with maximum impedance of 2Ω (ohms) to which Flex Shower green-yellow cable is connected to ensure the user's safety.



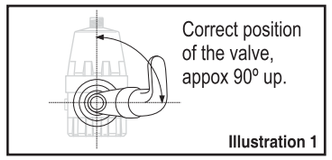
Attention:
Install and use this product only in the vertical position.

Hydraulic installation

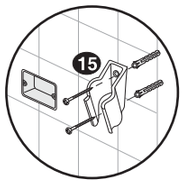
1 Clean the exit of the hydraulic connection where the product will be installed. **Open the valve** making water run to completely eliminate possible residues accumulated in the pipeline. Check the diameter of the hydraulic connection, which must be ½".



2 Apply teflon tape to seal the input nipples (3 and 5) and fasten Flex Shower to the connection, with bare hands only, tightening conveniently.
Valve position (4) may vary according to installation need, provided the device is kept in the vertical position. (Set the valve in the correct position, before fastening the Device to the valve) (Illustration 1).

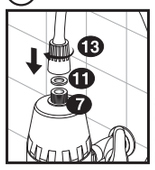


3 Once the device is fixed to the wall, install the Hand Shower Hold (15), which can be fixed at the most convenient height. To fix it, use ø5mm drills, taking care of not drilling the water pipe or the power grid.



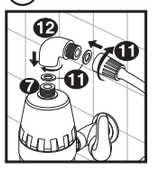
4 **Flexible hose instalattion**

4a **For normal use**



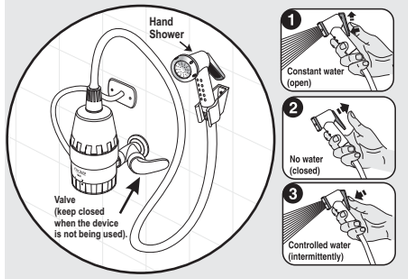
Fasten the Flexible Hose end (13) together with the seal (11) to the water output nipple (7), as shown in the illustration.

4b **For customized installation**



Fasten the Elbow (12) with seal (11) to the Water output Niple (7), fasten the Flexible Hose (13) to the other end, as show in the illustration.

Hand Shower



- Put the temperature selector cover in the position On or Off. **Change the temperature only when the water handle valve is closed.**
- Remove the Shower Handset from its Bracket, open Flex Shower valve, pull the Handset trigger and **after using, close the valve.**
- Every time you use the Flex Shower, open the Valve (4) enough to switch on the resistance. A specific noise indicates its operation.
- If you manipulate the Handset trigger obstructing water flow, the resistance stops, although the Flex Shower remains connected to the electrical circuit.
- Make sure the grounding cable is properly connected to a efficient grounding system.
- The complete disconnection of this device from the electrical grid must be done through a exclusive circuit breaker appropriate to the device power (see technical specifications).
- Water resistivity at 15° C cannot be less than 1300Ωcm.

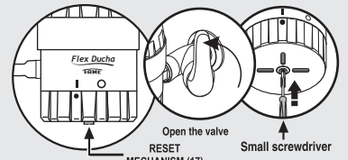
Other:

1) Contact / electric connector components can only be repaired or substitute at an authorized office. It does not apply to the resistance.

2) Individuals physically and / or mentally debilitated, must be supervised while using this product. Children and elderly either.

RESET DEVICE

When the unit is turned off for a few days or does not work, use the "Reset Device" (17) located at its bottom.



Its purpose is to unlock the piston in locations with low water pressure. To do so, place the Selector Switch on the position "On", open the valve, and let the water running through, then press the Reset Mechanism (17) with a small screwdriver.

If the device will not work properly after installation, see the table below:

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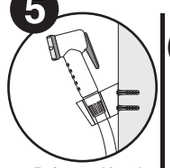
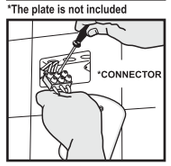


***Before making the electrical connection open the valve and let the water run for** a few seconds to fill the Flex Shower bulge, preventing damages to the resistance.*

6 **Electrical installation**

*The plate is not included



*The connector doesn't come with the product.

First make sure that the electric circuit supplying the Flex Shower is off, then connect the cables, preferably using the Connector **never use plugs and sockets for the connection**. In case of phase / neutral circuits, the white cable must be connected to the phase and the blue one to neutral. **In phase + phase circuits this distinction does not exist.**
The green / yellow cable must be connected to the ground system. **Do not use the neutral cable for grounding.**

Important for your safety:

The Flex Shower must be connected to an exclusive and independent electrical circuit, derived from the corresponding protection key in the electric case. In 220 volts (FF) dual-phase circuits use bipolar circuit breaker.
See technical specifications.

Problems and possible solutions

PROBLEM	LIKELY CAUSE	SOLUTION
Device does not switch on	Low water pressure/flow.	Minimum operating pressure 1.5 m.c.a. or 15 kPa. Remove the flow reducer.
	Low water flow. Pipeline with an internal diameter smaller than the device (ø = 6,5 mm)	Replace the output pipe to an internal diameter greater than or equal to 6,5 mm.
	Circuit breaker shouted down.	Reset circuit breaker and check its use condition.
	Circuit breaker / Switch DR shouted down.	Check the connection of the device conductors: white conductor connected to the phase and blue one to neutral.
	Temperature Selector in the position OFF.	Place the selector in the position ON.
	Piston blocked	See the Reset instructions
Device under heats	High volume of water, temperature below 10 ° C.	Reduce the water flow through the valve.
Device over heats	Low volume of water, temperature above 25 ° C.	Increase the water flow through the valve.