
Water softeners

METASOFT



Usage

The METALife METASOFT water softeners series allow you to satisfy small and medium users. This range of water softeners is characterized by three models: 10, 15 and 25 liters of resin with proportional volumetric/static regeneration.

How it works

The ion exchange resin contained in the softener has the property of retaining the calcium contained in the water. After treating a certain amount of water, the resin gradually saturates until it loses its power. It is then necessary to regenerate it to remove calcium and other impurities. Immediately after brine washing, the resins regain their exchange power.

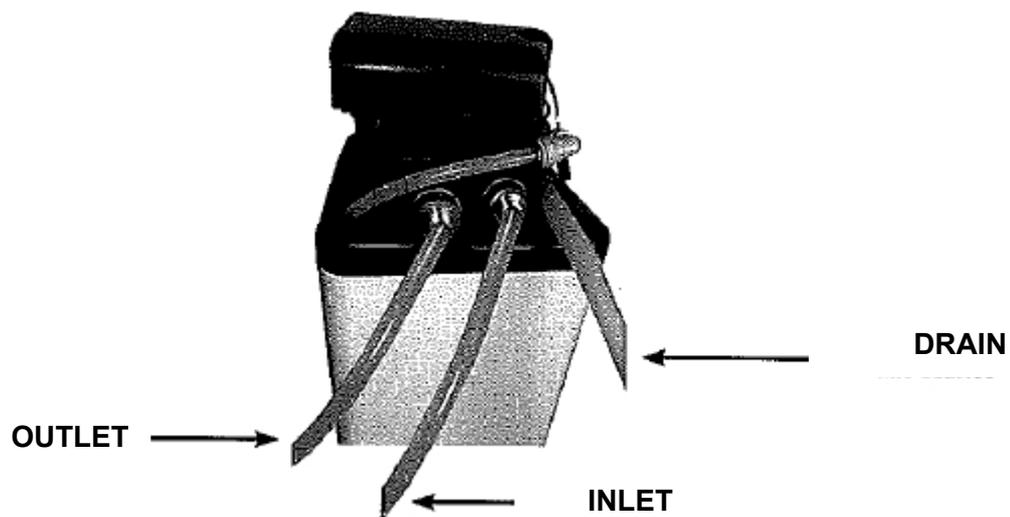
Main features

- Automatic digital electronic valve complete with mixer (mixing by-pass for hardness calibration).
- Volumetric/static proportional regeneration with flow rate and daily consumption reading. The resin regeneration system is volume-based with the possibility of timed forcing of the cycle at a settable time.
- Energy, water and salt saving, thanks to advanced electronics (40%).
- Equipped with a countercurrent regeneration system that allows the complete restoration of the exchange capacity at each regeneration cycle.
- Electronics that allows quick programming: simply set the time, volume and adjust the outlet hardness. The device is equipped with a self-diagnosis system with display of operating days, total number of regenerations, turbine control, micro-switch control, regeneration time, percentage of residual capacity, hourly flow rate, total daily consumption and average daily consumption. Statistical and programming data is maintained even in the event of a power failure.
- Equipped with the adjustment hardness screw.
- Equipment compliant with Ministerial Decrees 25/2012 and 174/2004.

Construction features

Case and brine cover	HDPE suitable for food application
Outer cover	ABS
Control valve	Volumetric and with timer
Resin	Strong cationic

Assembly



The drain pipe must be firmly connected to the appropriate hose holder (see figure above). The pipe must be flexible, having a suitable section and that there are no constrictions along its length; furthermore, the drain pipe must be “anchored” firmly to the drain pipe, to avoid possible leaks with the risk of water spilling into the room.

The drain pipe must not be immersed in wells where there is stagnant water as this could cause water to flow back into the appliance. The distance of the appliance from the drain must not exceed 4 m. Excessive environmental heat or frost can seriously damage the softener and for this reason it must be positioned in environments with temperatures not lower than 5°C and not exceeding 35°C. Provide a bypass.

Maintenance

At least twice a year, the brine tank must be cleaned to remove sediment and foam that can periodically form due to salt deposits.

The resins contained in the cylinder have an average life of 5 years. After this period, they must be replaced by qualified personnel.

Since the regeneration of the resins occurs by means of the saline solution formed by the dissolution of the salt in the water, it will be advisable to frequently monitor the brine level in the tank and refill the salt when it is necessary.

We remind you that for the optimal functioning of the water softener, it is mandatory to adopt water softening salt in tablets. The use of products other than water softening salt could compromise the correct functioning of the water softener, also causing permanent damage to the control device not covered by the warranty.

In the event of long periods of inactivity of the water softening system, it is necessary, when restoring operation, to launch a manual regeneration to rinse the resins contained in the water softener cylinder.

For detailed information, please refer to the Use and Maintenance Manual.

Reference regulations

The equipment is manufactured in compliance with the following regulations:

Metalife Srl operates with a certified Quality System in compliance with the provisions of the UNI-EN ISO 9001:2015 standard.

(EU) 2020/2184.	Quality of water intended for human consumption.
Regulation (EU) n. 10/2011	Plastic materials and objects intended to come into contact with food products.

Dimensions

	Metasoft 10	Metasoft 15	Metasoft 25
A	660 mm	660 mm	1.125 mm
B	340 mm	340 mm	340 mm
C	525mm	525mm	525mm



Technical features

	Metasoft 10	Metasoft 15	Metasoft 25
Nominal flow rate (m ³ /h)	1.5	1.5	2
Maximum peak flow rate (m ³ /h)	2	2	2.5
Resin volume (l)	10	15	25
Cyclic capacity (m ³ x °f)	60	90	150
Max supply pressure (bar)	6	6	6
Min. supply pressure (bar)	2	2	2
Salt consumption for regeneration (kg)	0.9-1.5	1,2-2	2,1-3
Salt container capacity (kg)	40	30	50
Regeneration water consumption (l)	60	80	120
Fittings (inches)	3/4"	3/4"	3/4"
Complete system weight (kg)	15	25	35