BIBLOC WATER SOFTENER

PART No. Q341004001

OPERATING PRINCIPLE

Water softeners are devices installed on a cold water pipe to act on the physicochemical composition of the water by reducing the concentration of calcium and magnesium, which cause scaling.

The raw (unsoftened) water from the supply system flows through ion-exchanging resins (strong cationic resins), which capture the calcium and the magnesium.
The water delivered by the softener no longer causes scaling, and has become "soft".
As the water passes through, the resins become saturated with calcium and magnesium.
As soon as the resins become saturated, regeneration must be carried out to recharge them.
Regeneration is achieved by passing a brine solution through the resins.
Regeneration is activated automatically, during the night, by an automatic system built into the softener head. Regeneration can be activated in two ways:

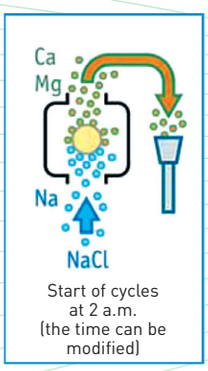
- based on volumes consumed (volume mode),
- based on time interval (time mode).

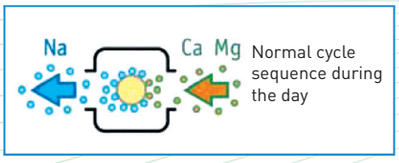
ADVANTAGES

- It protects pipes, sanitary ware, and home appliances from scaling.
- It keeps sanitary ware operating at normal efficiency.
- It makes the water more pleasant to the touch for washing and bathing (body and hair).
- A softener is also recommended for optimum operation of Jacuzzis, Turkish baths and home hydrotherapy.
- It makes laundry softer and dishes free of marks.
- It reduces the need for descaling and softening products.

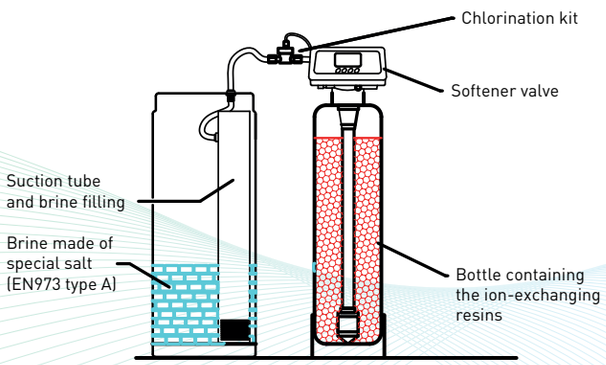
BIBLOC equipment: makes it easy to clean the salt compartment.

COMPOSITION AND OPERATING PRINCIPLE





Softener operating cycles



an Aalberts Industries company

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TECHNICAL CHARACTERISTICS

- Max. system pressure: 4 bars (install a pressure regulator).
- Electrical power supply: 230 V with transformer (supplied).
- Volume and/or time control of regeneration.
- Displays the volume of water remaining to be softened.
- Instantaneous flow display.
- Mixing built into the softener head.
- Settings are saved in the event of a power cut.
- Salt compartment with wide filler hatch.
- Noryl softener head.
- Regeneration: 4 phases.
- Supplied with brine drain pipe.
- Bypass built into the valve.
- Automatic chlorination to disinfect the resins.
- Filtration system supplied with the unit.

GUARANTEE

Three years parts and labour – excluding consumables and excluding transport.

Options: Part Numbers

Salt starter load (25 kg)	Q516004001
Resin cleaner (for two cleanings)	Q516005001
Connection kit	Q516007001

SIZING THE UNIT

Each water is different. To install the product that best suits your requirements, refer to the table below.

First, you will need to find out the hardness of your water supply.

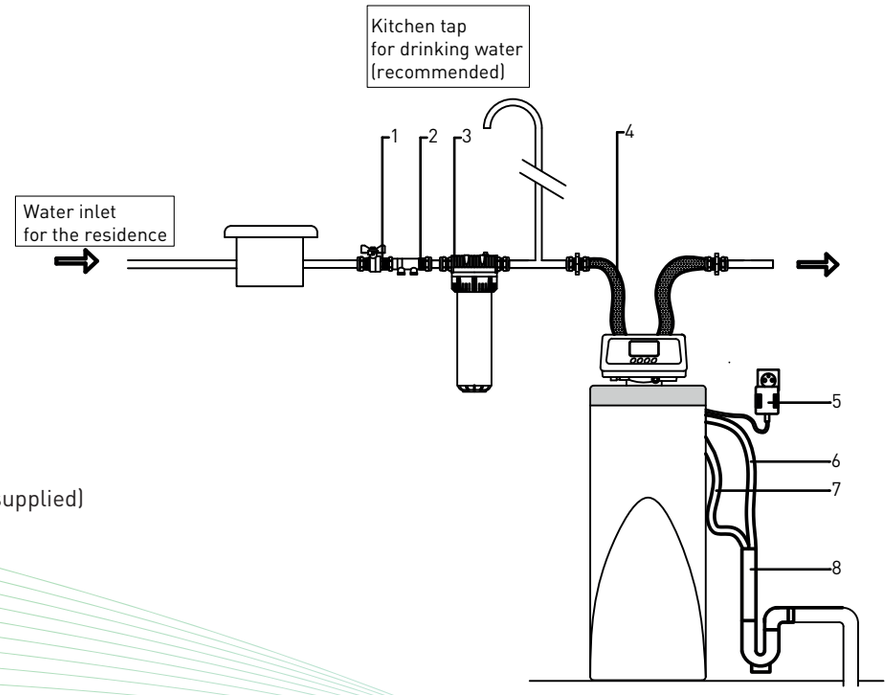
Number of persons in the home	1 to 2	3	4	5	6 to 8
Slightly hard water < 18 °F				X	X
Medium hard water 18 to 27 °F			X	X	
Hard water 27 to 36 °F		X	X		
Very hard water 36 to 45 °F	X	X			
Extremely hard water 45 to 50 °F	X	X			

X Bibloc unit strongly recommended.
Choose a unit with a smaller capacity (contact us).
Choose a unit with a larger capacity (contact us).

MAINTENANCE

- Checking the residual hardness (every three months).
- The resins should be disinfected once a year.
- Filling the salt compartment and monitoring the salt and water levels regularly.

INSTALLATION



1. Upstream isolation valve (option)
2. Check valve (option)
3. Sediment filter (supplied)
4. Hoses (option)
5. Transformer and power supply cable (supplied)
6. Brine drain pipe (supplied)
7. Overflow pipe (supplied)
8. Siphon odour trap (option)

Part number	Resin volume (liters)	Inlet/Outlet	Device dimensions (l x L x h) (mm)	Device weight (kg)	Regeneration time (min)
Q341004001	20	3/4" M	400 x 570 x 1 050	32	31

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