INDIVIDUAL SOFTENERS
SOFTEO + RANGE

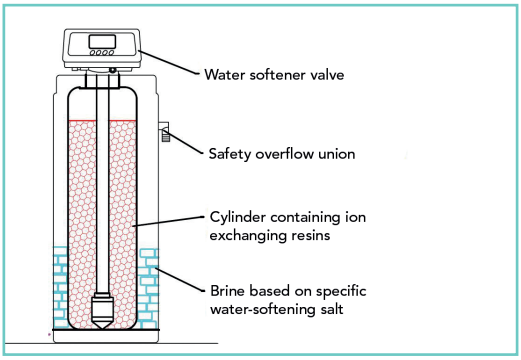
OPERATING PRINCIPLE

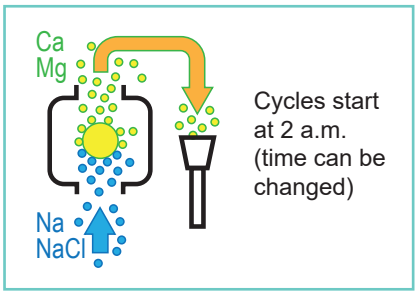
Water softeners are installed on cold water pipes and they change the physical and chemical composition of the water,
reducing the concentration of calcium and magnesium, which cause scaling.
The water to be softened flows through ion exchanging resins (strong cationic resins), that replace the calcium and/or magnesium by sodium. Thus, the water leaving the softener has become 'soft' and no longer causes scaling.
The purpose of water softeners is to provide maximum protection against scaling in pipes and other systems. As the water flow is softened, the resins gradually become saturated with calcium and magnesium. Regeneration is then necessary, to recharge the resins with sodium ions, using a sodium chloride solution or brine (salt and water) that the water softener takes from a salt box. Regeneration is activated automatically, during the night, by an automatic device integral with the softener hydraulic head. There are two regeneration activation modes:
• as a function of volumes consumed (volume mode),
• as a function of elapsed time (time mode).

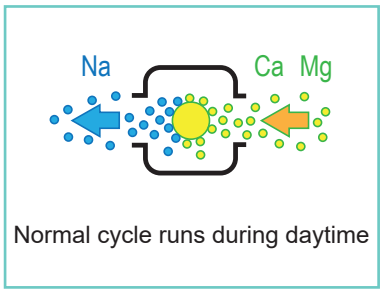
ADVANTAGES

- The water softener protects pipes, sanitary wear and household electrical appliances from scaling.
- It maintains household sanitary systems at their nominal performance level.
- Water contact is gentler on the skin when washing or taking a shower or bath (body and hair).
- Softened water is recommended for trouble-free operation of Jacuzzis, steam baths and domestic hydrotherapy baths.
- It makes household linen and clothes softer and leaves dishes without marks.
- It eliminates the need for descaling or softening crystals

COMPONENTS AND OPERATING PRINCIPLE







Water softener operating cycles

WARRANTY

Three years parts and labour - except for consumable items and transport.

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COMAP

TECHNICAL CHARACTERISTICS

- Max network pressure: 3 bar (pressure regulator required).
- Power supply: 230 V with transformer (supplied).
- Control of volumetric and / or time-dependent regenerations.
- Display of the volume of water remaining to soften.
- Instantaneous flow display.
- Mixing integrated in the head.
- Maintain settings in case of power failure.
- Salt bin with a large filler flap.
- Noryl head.
- Regeneration: 4 phases.
- Supplied with brine drain hose.
- Bypass built into the valve.
- Prefiltration: 20 µ.

REFERENCES OPTIONS

Initial salt charge (25 kg)	Q516004001
Resin cleaner (for 2 cleaning cycles)	Q516005001
Upstream filter kit	Q516006001
Connection kit	Q516007001
Automatic chlorination	Q516009001
Hardness test	540072
Additional by-pass and mixing valve	RI650085

SIZING OF THE DEVICE

COMAP technicians help you to size and define the softener you need to ensure sage, efficient et reliable operation. You can refer to the chart below to find the softener that would best suit your needs. You will need to know your water hardness level.

People living in household	1 to 2	3	4	5	6 to 8
Slightly hard water: ‹ 180ppm	8 L	8 L	8 L	18 L	18 L
Fairly hard water: 180ppm to 270ppm	8 L	8 L	18 L	18 L	26 L
Hard water 270ppm to 360ppm	8 L	18 L	18 L	26 L	
Very hard water 360ppm to 450ppm	18 L	18 L	26 L		
Extremely hard water 450ppm to 500ppm	18 L	26 L			

Choose the Bibloc 34 L model

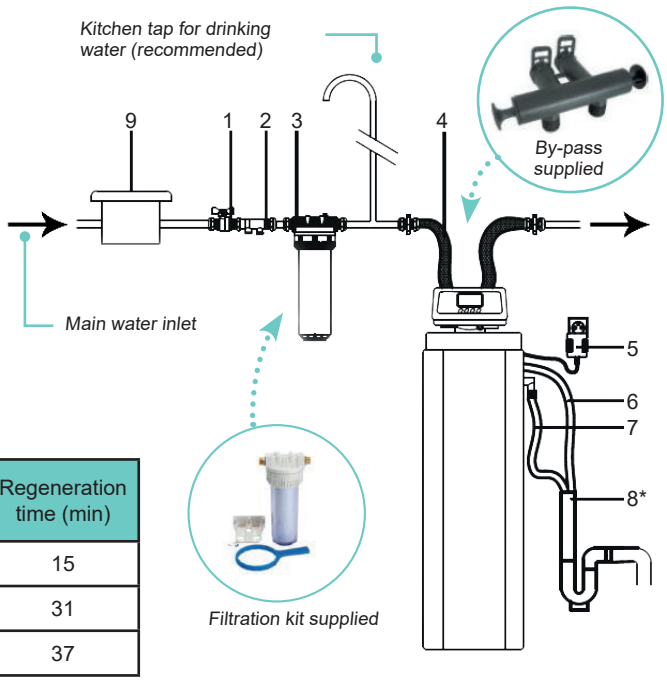
Choose a higher capacity model amongst (contact us)

MAINTENANCE

- Measure residual hardness (every 3 months).
- Disinfect resins once or twice per year.
- Regularly check salt and water levels and fill salt tank.

MANDATORY INSTALLATION

1. Upstream isolation valve (option with connection kit)
2. Non-return valve (option with connection kit)
3. Sediment filter (supplied)
4. Flexbiles (option with connection kit)
5. Converter and power cable (supplied)
6. Brine drain hose (supplied)
7. Overflow hose (supplied)
*8. Anti-back flow siphon (option with connection kit)**
9. Pressure reducer set at 3 bars (to add in case of absence)



The overflow hose of the salt tank must be connected to the sewer with an anti-back flow siphon preventing any possible return of the sewers to the brine tank or the softener head.

Reference	Resin volume (liters)	Inlet / Oulet	Softener dimensions (w * l * h) (mm)	Softener weight (kg)	Regeneration time (min)
Q341001001	8	3/4" M	325 x 475 x 610	15	15
Q341002001	18	3/4" M	325 x 475 x 1070	28	31
Q341003001	26	3/4" M	325 x 475 x 1070	36	37

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