

Installation data sheet

Anti-limescale System (doser) and Complete System (stainless steel pre-filter + doser). Instructions for fitting the system in a home.

What it is

An anti-limescale doser using food-grade silicopolyphosphates (maximum 5 ppm) with a built-in non-return valve. It uses no electricity: it works as the water passes through. It is fitted on the cold mains where the water enters the property, after the meter, to protect the whole installation against limescale and corrosion. The Complete System adds, before the doser, a pre-filter with a 50 micron stainless steel cartridge.

Non-return valve approved by WRAS (GB), KIWA (NL), DVGW and TÜV Thüringen (D), Belgaqua (B), NF (F), ETA (DK), SP SITAC (S) and NSF (USA). Dosing method compliant with standard EN 1208.

1. Position and direction of flow

- Fit as close as possible to the incoming water supply, after the meter or the main stopcock.
- The head must always be **horizontal**, with the arrow on the head pointing the way the water flows. Fitting the body in any other position affects performance and the guarantee.
- On the Complete System the water passes **first through the pre-filter and then through the doser**.
- Leave clear space below the bowl so that it can be unscrewed to change the cartridge.
- Do not fit anywhere it could freeze. Water temperature between 1 and 40 °C.

2. Connections and pressure

- **3/4" male thread** connections at both ends. A 3/4" female compression fitting of 15 or 22 mm is recommended, depending on the pipe.
- Use PTFE tape on the threads. Check the condition of the pipe before fitting and check for leaks afterwards.
- Working pressure **0.5 to 10 bar**. If the mains pressure is above **7 bar**, fit a pressure reducer.
- Maximum flow 3,000 L/h. Pressure loss of approximately 0.3 bar.
- Open the stopcock gradually when commissioning.

3. Dimensions

	Anti-limescale System	Complete System
Space taken up in the pipe run	11.5 cm	23.5 cm
Height once fitted	21 cm	21 cm
Depth	7.5 cm	7.5 cm
Bodies	1 (doser)	2 (pre-filter + doser, joined by a connector)

4. Specifications of each body

	Anti-limescale doser	Stainless steel pre-filter
Dimensions (length × width × height)	115 × 72 × 210 mm	115 × 72 × 210 mm
Connection	3/4" male thread	3/4" male thread
Weight	0.45 kg	0.37 kg

Working pressure	0.5 – 10 bar	0.5 – 10 bar
Test pressure	25 bar	25 bar
Water temperature	1 – 40 °C	1 – 40 °C
Maximum flow	3,000 L/h	3,000 L/h
Pressure loss	± 0.3 bar	± 0.3 bar
Cartridge	Doser, ± 35,000 litres	50 micron stainless steel mesh, at least 1 year
Non-return valve	Yes, in the head	—

5. Changing the cartridge (done by the user)

The same procedure applies to the doser cartridge and to the stainless steel mesh of the pre-filter.

1. Close the stopcock feeding the device.
2. Place a container underneath and open the bleed valve at the bottom to empty the device.
3. Unscrew the bowl anticlockwise and remove the used cartridge.
4. Fit the new cartridge and close the bleed valve.
5. Screw the bowl back on clockwise as far as it will go.
6. Open the stopcock slowly and check that there are no leaks.

The red ball in the doser cartridge acts as a level indicator and shows when it needs changing. We recommend checking it regularly, ideally once a month.

6. Important notes

- The doser works from the moment it is commissioned; within a few days the difference is noticeable.
- After a period with no water use (a holiday, for example), follow the recommendations of your water supplier about running the water before using it.
- The product dosed is safe for consumption. Should a cartridge break, the powder may come into contact with the hands: wash with soap and water. If it gets into the eyes, rinse with water. In case of persistent irritation or ingestion of undiluted powder, consult a doctor.

Contact

Foracal · info@foracal.es · Our own installation service is available between Altea and Torrevieja (Alicante).

This data sheet summarises our installation instructions. If anything is unclear, follow the manual supplied with the product or get in touch.