

SELF-CLEANING FILTER

stream

FIELDS OF APPLICATION

Self-cleaning filters are generally used on the main water pipe, immediately after the meter. Their specific feature is that they have a cleaning system that doesn't need the filter to be disassembled or the water supply to be cut off.

The particles in suspension trapped by the filter are removed by opening a valve on the bottom of the self-cleaning filter.

PRINCIPLE OF OPERATION

The water passing through the filter is filtered twice:

- once at 90 μm , which traps the larger particles in suspension,
- and a second time at 40 μm , which refines the filtering and is thus an additional safety factor.

As the water passes through the filter, the particles in suspension accumulate on the stainless filter mesh.

The mesh thus has to be regularly cleaned, through the valve on the bottom of the filter. Opening the valve allows the water to run out, which induces a reverse flow venturi effect through the filter mesh. This releases and separates the particles trapped on the mesh during the filtering process, and evacuates them.

ADVANTAGES of the self-cleaning filter

- Filtering twice reduces the pressure drop across the filter.
- Your water system, household appliances and drinking water are protected against particles in suspension.
- Cleaning is quick, simple and effective, without having to remove cartridges.



TECHNICAL CHARACTERISTICS

- 2-phase filtering: 90 and 40 µm, on stainless mesh filters.
- Inlet / outlet: 3/4" F and 1" F, using adapter pieces (supplied).
- Max. filtering rate: 4 m³/h.
- Service pressure: 4 bars.
- Max. pressure: 6 bars.
- Water temperature: 5 to 25°C.
- Ambient temperature: 5 to 40°C.
- Gauge indicates pressure in system.

STANDARD INSTALLATION

- Install the filter on your system incoming cold water supply.
- The filter should be installed vertically.
- Ensure that the inlet and outlet are properly positioned, to ensure optimum water flow and efficient trapping of particles.
- Provide a filter evacuation to the drain. Install a disconnecter on the flushing outlet.

SERVICING / MAINTENANCE

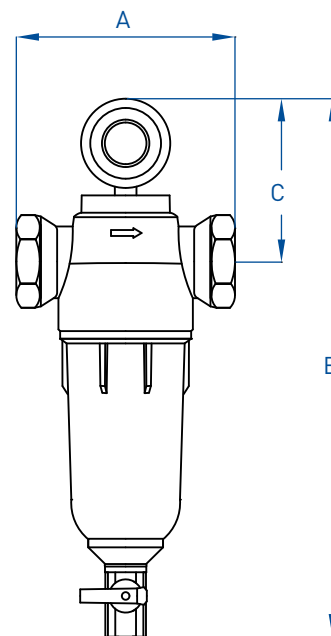
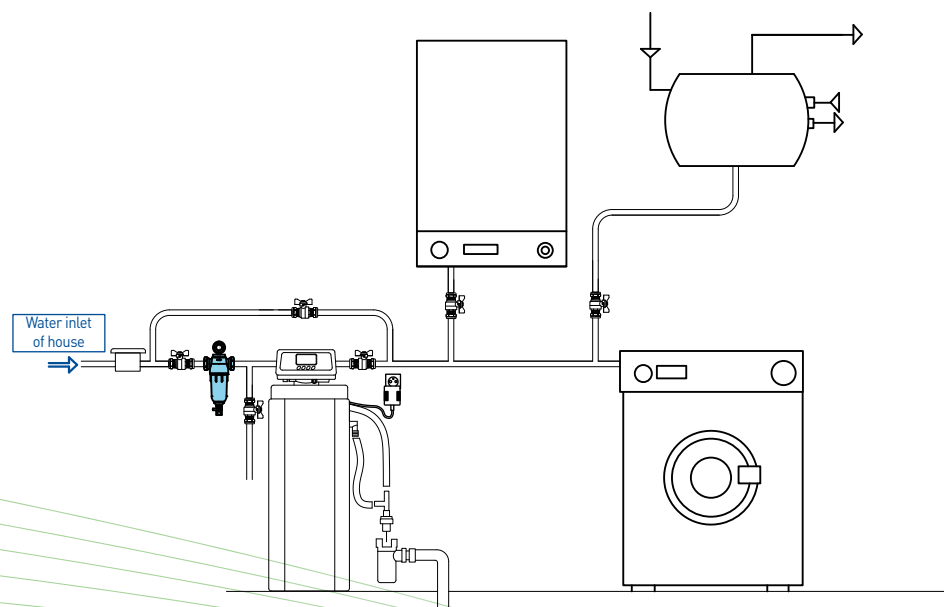
- Clean the filter regularly to remove the particles accumulated on the filter.
- Remove and check the mesh annually.
- Change the seals every 2 years.

GUARANTEE

1 year parts and labour – excluding consumable items and transport.

Spare parts

| Reference | Designation |
|-----------------|-------------------|
| RI610019 | Filter screen + O |
| RI610071 | O-ring to tank |



| Reference | Filtration limit (µ) | Sieve material | Filter housing | Max. pressure (bar) | Max. temperature (°C) | Inlet/outlet | Max output (m³/h) | A (mm) | B (mm) | C (mm) | D (mm) |
|-------------------|----------------------|----------------|----------------|---------------------|-----------------------|--------------|-------------------|--------|--------|--------|--------|
| Q113005001 | 90 & 40 | Inox 316 L | Laiton | 6 | 25 | 3/4" F | 3 m³/h | 112 | 270 | 188 | 82 |
| | | | | | | 1" F | 4 m³/h | 102 | 270 | 188 | 82 |