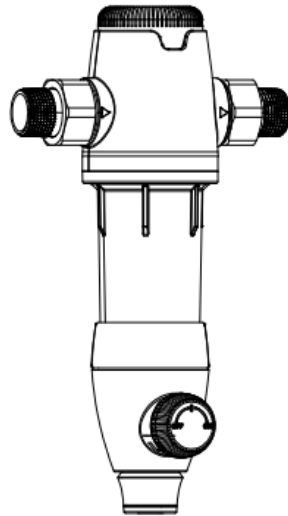


INSTALLATION AND OPERATING MANUAL

Pre-filter — WATEX CPFM4



Read and understand this manual before installing, commissioning or servicing the pre-filter.

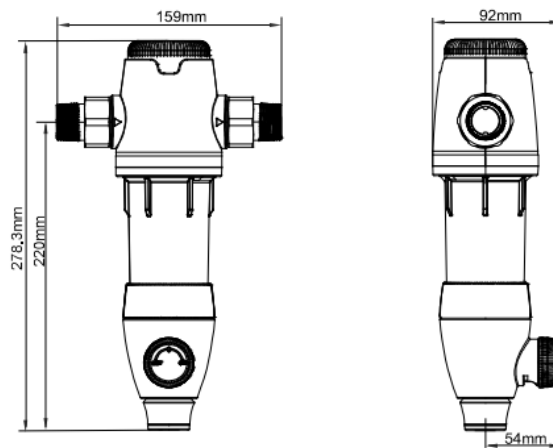
Safety and intended use

- The pre-filter removes suspended particles such as dirt, rust and sediment and protects downstream equipment, including water-treatment units, water heaters, boilers, washing machines and shower fittings.
- Installation, commissioning and servicing must be performed by a qualified installer. Watex Estonia OÜ is not responsible for damage or injury caused by incorrect installation or operation.
- Install the unit only indoors in a dry, frost-free location, away from heat sources and out of children's reach.
- Use only with municipal water at 5–40 °C. Do not use on wastewater lines or with corrosive liquids.
- Observe the flow-direction arrow on the filter head and install the main axis vertically.
- Install the pre-filter directly downstream of the water meter in an accessible location.
- Flush the filter at least once a month; more frequent flushing may be required if the incoming water contains a high level of sediment.
- Do not damage components during cleaning or maintenance. Use original spare parts.

Technical specifications

Parameter	Value
Product model	WATEX CPFM4
Filter mesh	40 µm
Connection thread	3/4" or 1"
Rated flow rate	4 m³/h
Ambient temperature	5–40 °C
Water supply	Municipal water
Recommended operating pressure	0.1–0.4 MPa

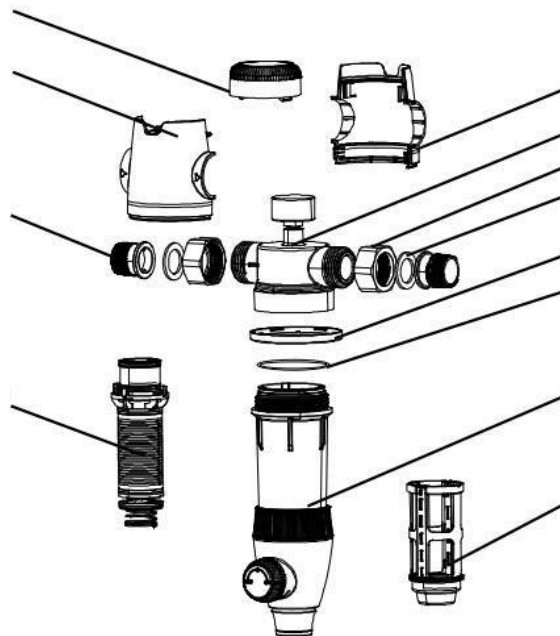
Product dimensions



Package contents

Pre-filter assembly ×1; manual ×1; threaded adapter ×2; sealing gasket ×3; filter-housing wrench ×1; 3/8 in tubing, 80 cm ×1; housing O-ring ×1.

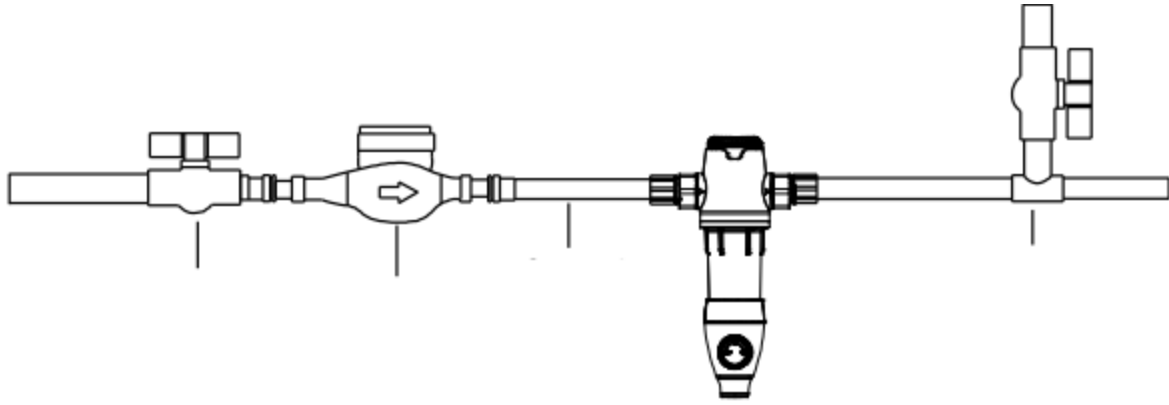
Exploded view



Service ring; front cover; back cover; filter head; thread nut; threaded adapter; sealing gasket; decorative ring; housing O-ring; filter-screen assembly; filter-housing assembly; scraper-cleaning assembly.

The technical drawings are reproduced from the current WATEX source manual. Where a drawing contains an English manufacturer callout, the localized component legend on this page governs the terminology.

Installation



1. Close the inlet valve and relieve pressure from the pipework.
2. Install the pre-filter as shown in the installation drawing.
3. Check the flow-direction arrow on the filter head before tightening the connections.
4. Install the filter with its main axis vertical.

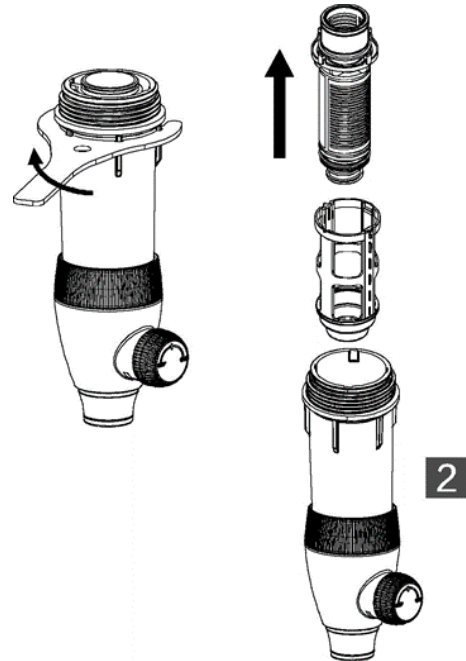
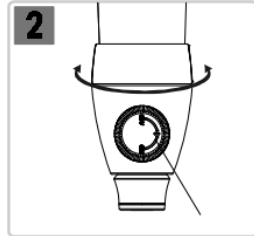
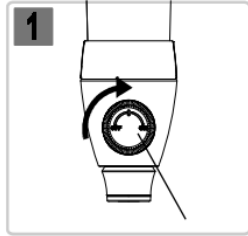
Installation requirements

- Verify that all supplied parts are present. A qualified person must install the pre-filter.
- Use suitable fusion-welding equipment for PPR pipework and make sound joints.
- For metal pipework, provide the necessary fittings and comply with local plumbing requirements.
- Do not install outdoors or expose the unit to sunlight, heat, oil or chemicals.
- Apply a suitable amount of thread-sealing tape evenly.
- Prevent adjacent components from rotating while tightening the thread nut.
- After installation, pressurize the system gradually and check every connection for leaks.

Commissioning and routine flushing

1. Flush the pre-filter after installation.
2. Connect the drain hose to a drain, or place a suitable collection container beneath the discharge.
3. Rotate the bottom control clockwise 3–4 turns to discharge coarse particles. Then rotate it counter-clockwise 3–4 turns to clean the filter screen and housing effectively.
4. Flush for at least 30 seconds at least once a month; adjust the interval to the incoming-water quality.
5. After 8–12 months of continuous use, have a qualified person inspect and, if necessary, remove and clean the filter screen.
6. Handle every component carefully and use original spare parts.

Maintenance



1. If normal scraper cleaning and flushing do not remove the deposits, isolate the water supply and relieve the pressure.
2. Use the supplied wrench to unscrew the filter housing.
3. Remove the filter-screen assembly and clean away all deposits. If only the screen needs cleaning, the scraper assembly may remain in place.
4. During reassembly, insert the scraper-cleaning assembly fully into the copper fitting.
5. Align the four locating tabs of the filter-screen assembly with the four grooves in the housing and seat the assembly fully.
6. Reassemble the housing, open the inlet valve slowly and check for leaks.

Troubleshooting

Problem	Possible cause	Corrective action
No filtered water	Water supply is shut off; inlet valve is closed.	Wait for the water supply to be restored; open the inlet valve.
Insufficient filtered-water flow	Inlet valve is not fully open; filter screen is clogged.	Open the inlet valve fully; flush and clean the filter-screen assembly.
Leak at a connection	Incorrect installation; loose connection; insufficient thread-sealing tape; aged or damaged gasket.	Check that the gasket lies flat and is not pinched; tighten the connection; renew the sealing tape; replace the gasket.

Service contact

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