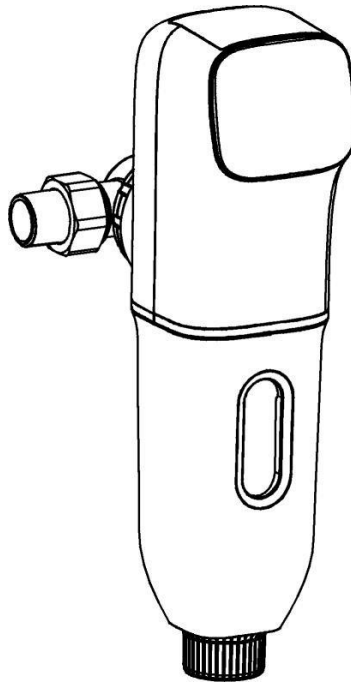


INSTALLATION AND OPERATING MANUAL

Pre-filter — WATEX CPFA4



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

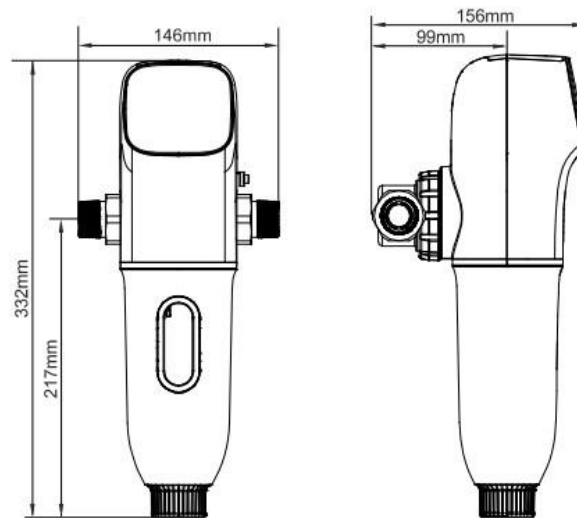
Safety and intended use

- 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 CPFA4
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

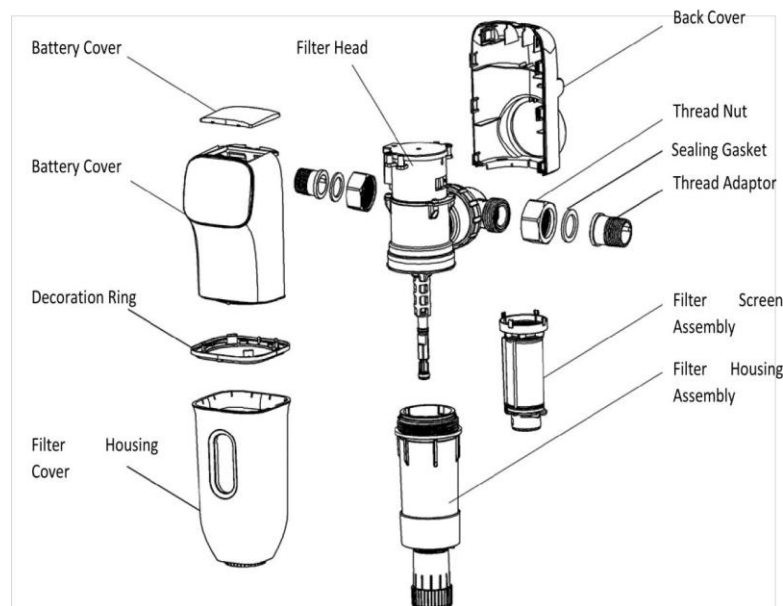


Package contents

Pre-filter assembly ×1; manual ×1; threaded adapter ×2; sealing gasket ×3; metal bracket ×1; filter-housing wrench ×1; 3/8 in tubing, 80 cm ×1; housing O-ring ×1; expansion plug ×2; self-tapping screw ×2; power adapter ×1; 3/8 in ball valve ×1.

Exploded view

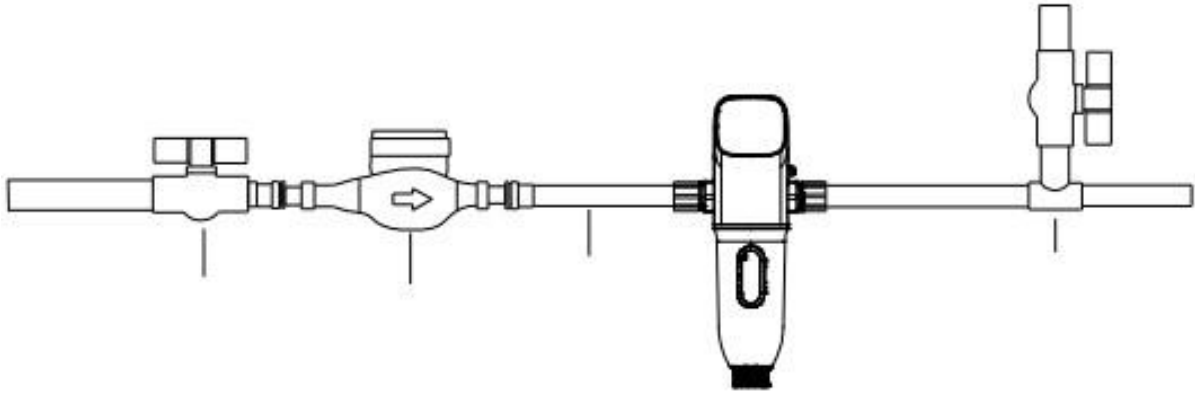
Exploded View



Battery cover; front cover; back cover; decorative ring; filter head; thread nut; sealing gasket; threaded adapter; filter-screen assembly; filter-housing assembly; filter-housing cover.

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

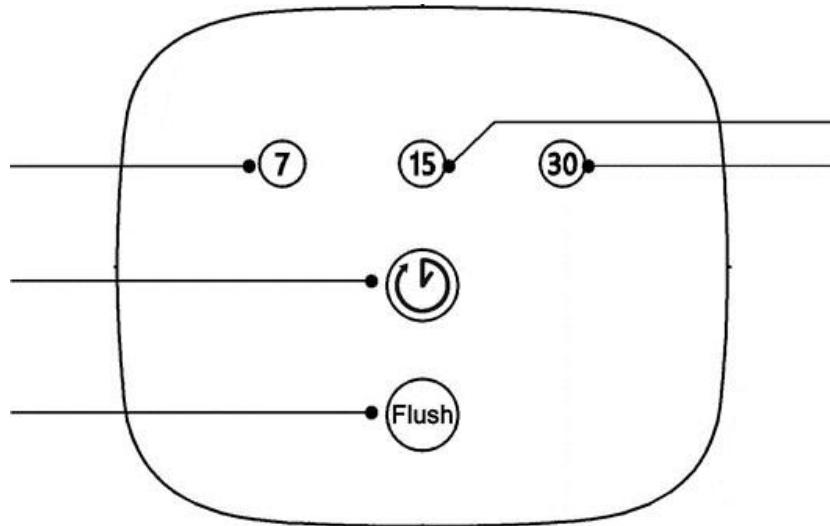


1. Close the inlet valve and relieve pressure from the pipework.
2. Install the pre-filter as shown in the installation drawing.
3. Check the flow-direction arrow on the filter head before tightening the connections.
4. Install the filter with its main axis vertical.

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.

Controller and programming



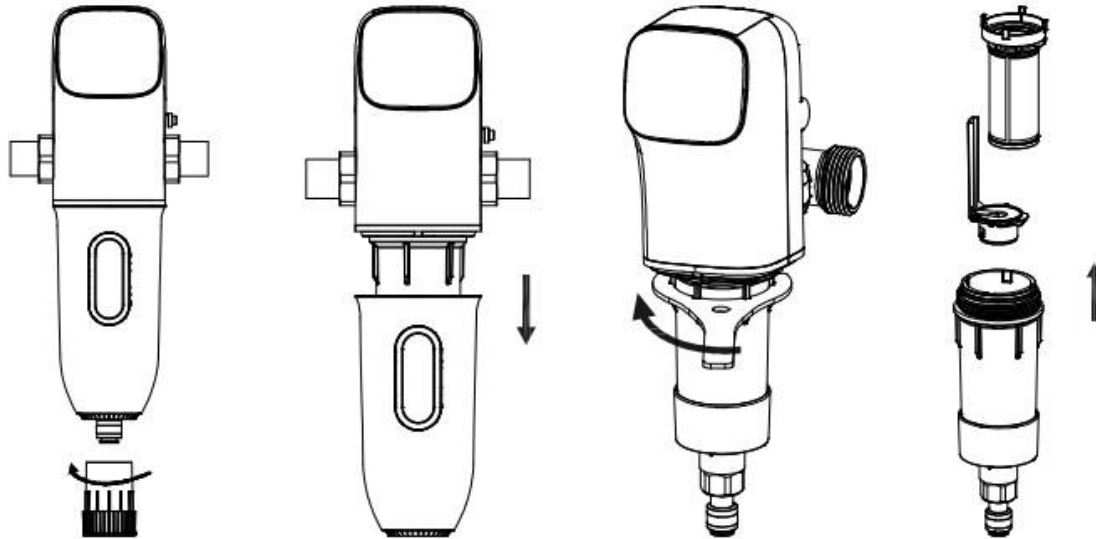
1. Power options: install three AA batteries under the battery cover, or connect the supplied power adapter to the adapter socket. Use only the supplied power-supply unit.
2. At first power-up the buzzer sounds and all five indicators flash once. The factory default flush interval is 15 days. If no key is touched, the controller enters sleep mode after 8 seconds.
3. Wake the controller by touching SET or FLUSH.
4. To select a flush interval, touch SET until 7, 15 or 30 days is indicated. Touch FLUSH to start or stop a manual flushing cycle.
5. Controller ratings: three AA batteries, or adapter input 100–240 V AC, 50/60 Hz and output 5 V DC, 1 A; ambient temperature 5–40 °C; flush duration 15 s; selectable interval 7/15/30 days.

SET selects the automatic interval; FLUSH starts or stops a manual flush.

Commissioning and routine flushing

1. Connect the drain hose to a drain or suitable collection container and open the inlet valve slowly.
2. Touch FLUSH to open the drain port and flush the pre-filter for 30 seconds.
3. Touch FLUSH again to close the drain port, then inspect every connection for leakage.
4. Use SET to select the required 7-, 15- or 30-day flush interval.
5. The unit is ready for operation. Flush at least once a month and for longer than 30 seconds when required by the incoming-water quality.
6. After 8–12 months of continuous use, have a qualified person inspect and, if necessary, remove and clean the filter-screen assembly.

Maintenance



1. If normal scraper cleaning or flushing does not remove deposits, close the inlet water supply and touch FLUSH to relieve pressure.
2. Unscrew the bottom plastic part (Fig. 1) and remove the filter-housing cover (Fig. 2).
3. Use the supplied wrench to unscrew the filter housing (Fig. 3).
4. Remove the filter-screen assembly and clean away deposits (Fig. 4).
5. Remove and clean the scraper assembly only if necessary (Fig. 4).
6. After servicing, reassemble the pre-filter in the reverse order, 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.
Buzzer sounds; 30, 15 and 7 indicators flash red	The controller cannot close the flushing valve.	Press and hold SET for 6 seconds to reset the program. If the reset fails, contact service.
Buzzer sounds; 30 and 15 indicators flash red	The controller cannot open the flushing valve.	Press and hold SET for 6 seconds to reset the program. If the reset fails, contact service.
Buzzer sounds; 7 indicator flashes red	Low battery voltage.	Replace all three AA batteries.

Service contact

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