User manual

Waterfil household water filtration kit: install it, maintain it and replace the cartridge safely, step by step.



Safety | Components | Installation | Maintenance | Troubleshooting | FAQ

1. Safety instructions

Cold drinking water only

This kit is designed to filter cold drinking water. Never use it with hot water, non-potable water or any other liquid.

Pressure: 0.5 to 8 bar

The operating pressure must be between 0.5 and 8 bar. Never exceed 8 bar; if your supply pressure is higher, install a pressure reducer upstream of the filter.

Maximum temperature: 45 °C

Above 45 °C, polypropylene deforms and sealing is no longer guaranteed.

Electrical hazard

Do not install the kit close to sockets, electrical appliances or cables. In the event of a leak, shut off the water before doing anything else.

Frost protection

Install the filter away from frost and direct sunlight. If freezing temperatures are expected, drain the housing: frozen water can make it burst.

2. Kit components



Filter head (lid)

Made of polypropylene, it has two brass connection ports (inlet IN, outlet OUT) and a red-button pressure-relief valve to release trapped air.



Housing

Clear or opaque blue, it holds the cartridge and withstands the operating pressure. A clear housing lets you monitor how dirty the cartridge is.



Filter cartridge

Three ranges to choose from: **OMEGA**, **OMEGA plus** in extruded polypropylene, or **INFINITY** in string-wound polypropylene.



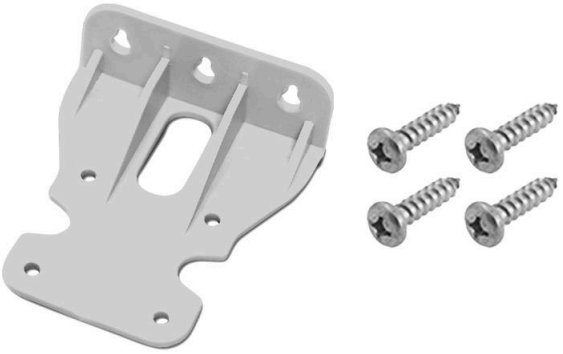
O-ring

A single O-ring, fitted under the lid, seals the head to the housing. Check its condition each time you open the filter and keep it clean.



Housing wrench

It is used to screw and unscrew the housing without damaging it. Tighten by hand first, then give a slight extra quarter turn with the wrench.



Mounting kit

A polypropylene bracket and four screws. The screws attach the bracket to the filter housing; the bracket then lets you hang the filter on the wall so its weight does not rest on the plumbing.

3. Installation in 8 steps

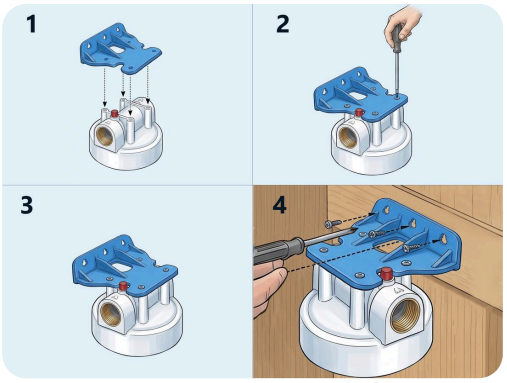
1 Prepare and shut off the water

Gather the kit components and check that nothing is missing. Close the shut-off valve on the water supply, then open a downstream tap to release the pressure.



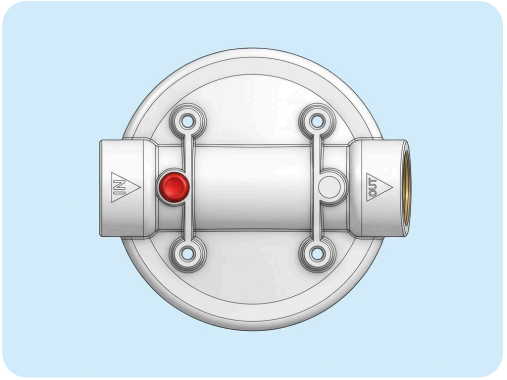
2 Fit the bracket

First attach the polypropylene bracket to the filter head using the four screws supplied. Then choose a flat wall with enough room below the housing to unscrew it (at least 10 cm / 4 in), and hang the filter on the wall using the bracket's three keyhole slots.



3 Identify the flow direction

Locate the IN (inlet) and OUT (outlet) markings on the head, with their arrows.



> **Flow direction**
> Water enters through IN and leaves through OUT. Connecting it the wrong way round reduces flow and can damage the cartridge.

4 Connect the brass ports

Wrap 5 to 6 turns of PTFE tape in the direction of the thread, then screw the fittings in by hand and finish with a slight tightening using an adjustable wrench (tool not included). Do not overtighten: brass threads are soft.



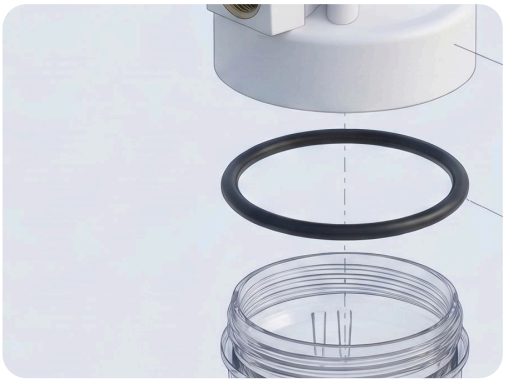
5 Insert the cartridge

Unscrew the housing with the wrench. Rinse it, then place the clean cartridge in the centre. Handle it with clean hands.



6 Check the O-ring and screw on the housing

Check that the O-ring, fitted under the lid, is properly seated, clean and not twisted. Screw the housing on by hand until it stops, then give a slight extra quarter turn with the wrench.



7 Turn the water back on and bleed the air

Slowly reopen the shut-off valve. Press the pressure-relief button until water flows without air, then release it. Check for leaks at the fittings and around the lid.



8

Flush the installation

Open a cold tap downstream and let the water run for 5 minutes to flush out fine particles from the new cartridge. The water should run clear.





Installation complete. The filter is fixed to the wall by its bracket and connected to the cold water supply; the cartridge is visible through the clear housing.



Installation with an opaque blue housing. Same bracket mounting, here installed on the wall with the water supply piped in and out of the head. The opaque housing offers outstanding chemical compatibility and is perfectly suited for outdoor applications.

4. Maintenance and replacement

Frequency: every 6 months

Replace the cartridge every 6 months, or sooner if the flow drops or the water is heavily loaded.

1. Close the shut-off valve on the water supply.
2. Press the relief button to release the pressure, and place a container under the housing.
3. Unscrew the housing with the housing wrench, then empty out the remaining water.

4. Remove and discard the old cartridge; clean the housing with clean water and mild soap, without solvents.
5. Check the O-ring, fitted under the lid: replace it if it is deformed, cracked or hardened, and lightly grease it with food-grade grease.
6. Insert the new cartridge (OMEGA or INFINITY), then screw the housing back on.
7. Reopen the water slowly, bleed the air, check for leaks and flush for 5 minutes.

5. Troubleshooting

Problem	Probable cause	Solution
Leak at the lid	O-ring badly seated, damaged or dry; housing not tight enough.	Shut off the water, unscrew the housing, reseat or replace the O-ring, grease it, screw the housing back on and tighten slightly with the wrench.
Leak at the brass fittings	Not enough PTFE tape or tape badly applied; fitting not tight enough.	Remove the fitting, clean the thread, reapply 5 to 6 turns of PTFE tape and retighten without forcing.
Reduced flow	Clogged cartridge; IN/OUT direction reversed; shut-off valve partly closed.	Replace the cartridge; check the flow direction; open the shut-off valve fully.
Housing hard to unscrew	Housing too tight; residual pressure; O-ring stuck.	Shut off the water and release the pressure, then use the housing wrench. Never heat the housing.

6. Frequently asked questions

What is the difference between OMEGA and INFINITY?

OMEGA is an extruded polypropylene cartridge with a smooth surface and a uniform structure. INFINITY is a string-wound polypropylene cartridge, made by winding thread around a core. Both remove particles; your choice depends on the filtration rating you need and the quality of your water.

Can I install it on a hot water line?

No. The kit is intended for cold water only, up to a maximum of 45 °C. Hot water deforms the polypropylene and compromises sealing.

What do IN and OUT mean?

IN is the inlet: unfiltered water enters here. OUT is the outlet: filtered water leaves here. Follow the arrows moulded on the head.

When should I replace the cartridge?

Every 6 months under normal use. Replace it sooner if the flow drops noticeably, if the water changes in taste or appearance, or if the cartridge looks very dirty through the clear housing.

What does the warranty cover?

The kit is guaranteed against manufacturing defects. Wear parts (cartridges, O-ring) are excluded, as is any damage caused by incorrect installation or use outside the stated limits. For the exact terms, please contact Waterfil.

Need help?

Our team can advise you on installation, choosing cartridges and spare parts.

Email us | **Call +213 661 884 842** | **Download the manual (PDF)**

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