



Manual EVOfilter plus

- Installation instructions
- Operating instructions

IMPORTANT IN ADVANCE!

The EVOfilter may only be operated with raw cold water that complies with the following limit values:

| Parameters | Limit value |
|------------------------------|-----------------------|
| Water pressure | 1,9 to 6 bar |
| Water temperature | 4° to 25°C |
| Total dissolved solids (ppm) | max. 600 ppm / 60 °fH |
| pH value | 3 to 10 |
| Free chlorine | 2,0 ppm max. |

MAINTENANCE

After 10'000 litres, the membranes and the pre-filter of the EVOfilter must be replaced.

In case of a technical defect, you should always contact Evodrop or a certified specialist.

Regular replacement of the filter components is essential. After 9'500 litres, the filter signals itself with an acoustic signal. This way you know that the membranes and the pre-filter of the EVOfilter have to be replaced soon. However, an early replacement within this period may be necessary if the water flow is noticeably reduced. This is not a defect of the filter used, but an indication of increased occurrence of fine particles such as lime, sediments or coarse pollutants in the unfiltered water.

After replacing the filters, it is necessary to reset the filter. The reset can be done by pressing + & - on the display for 1 second. It is recommended to let the water run for about 5 minutes before using it for the first time.

WARRANTY CONDITIONS

The warranty for the EVOfilter is 2 years and for the EVOcharge 20 years.

Various other warranty conditions may exist between the end user and the distributor, such as an "all inclusive" maintenance contract or an extended warranty, but these do not bind the manufacturer in any way.

Components of normal wear and tear, such as the pre-filter and the membranes, are excluded from the manufacturer's warranty. Furthermore, components damaged due to negligence, misuse or improper installation by unqualified personnel are also excluded from the warranty.

The manufacturer declines all responsibility if the systems are not used for their intended purpose.

PREPARING THE INSTALLATION

Carefully unpack all parts and check that everything is present as follows:

- 1x **EVOfilter system (drinking water filter)**
- 1x **Installation and operating instructions**
- 1x **Drinking water tap and its accessories (if ordered)**
- 1x **Drain water connection clamp**
- 1x **EVOcharge (if ordered)**
- 1x **Feed water valve (incl. stopcock & 3/8" pushfit thread)**
- 1x **3/8" tubes for the raw water supply**
- 1x **1/4" tubes for clean water connection and drain water connection**
- 1x **Power cable & multi-plug**
- 1x **Leak detector**



Feed water valve



Tube
1/4": 2 m
3/8": 2 m



Leak detector



Drain water clamp

Installation and connections

The installation of the EVOfilter requires the provision of a cold water connection, a drain water siphon, a water tap and a 240V/50Hz power connection.

We recommend having the installation carried out by a plumber (sanitary), as incorrect installation can lead to water damage.

The connection parts have been tested millions of times and conform to standards. If you require other connection parts, you can obtain these from a specialist plumbing shop or ask us.

Place of installation

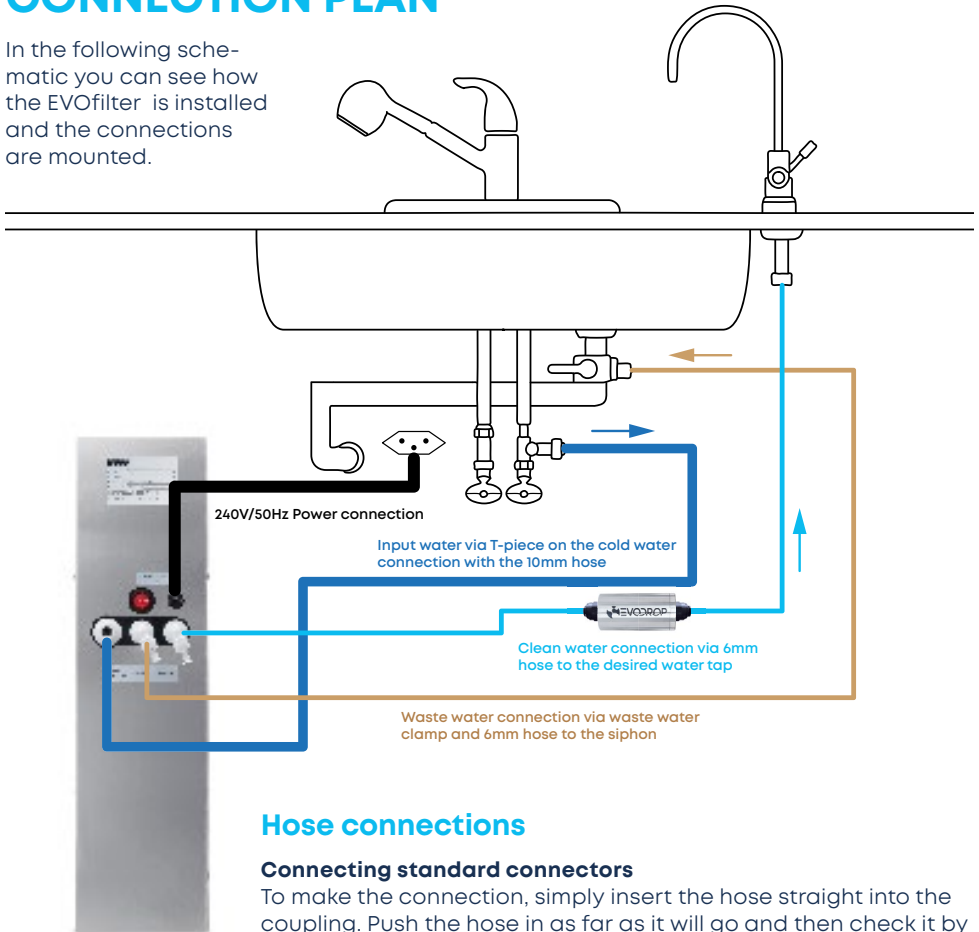
The system must be installed in a frost-proof location. Freezing would damage the entire system. The hoses must not be kinked too much, otherwise the water flow will be impaired and the filter may be damaged. Do not place the system under direct sunlight.

IMPORTANT!

The following installation instructions are implementation recommendations for a typical connection. Local regulations for installation and building standards may contain other or additional requirements. The installer is responsible for compliance with the applicable regulations.

CONNECTION PLAN

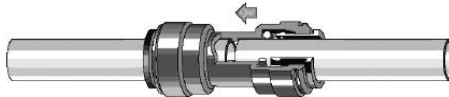
In the following schematic you can see how the EVOfilter is installed and the connections are mounted.



Hose connections

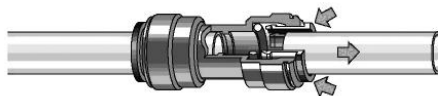
Connecting standard connectors

To make the connection, simply insert the hose straight into the coupling. Push the hose in as far as it will go and then check it by pulling gently on the hose.



Opening standard connectors

Push in the rim and pull out the hose. Make sure that the water filter is pressure-free. The quick connectors can be used again.



INSTALLATION

Cold water connection

Fastening the appliance connection to the feed water valve

Use the 3/8" connection adapter supplied. You can fit this directly between the dishwasher stopcock. Close the water supply pipe and fit the T-piece between the corner valve and the dishwasher hose.

Caution!

Installation **ONLY** allowed on cold water connections!

There are usually two feed water valves under the sink, from which 3/8" copper or flexible hoses usually branch off to the cold or hot water tap. Determine which is the cold water connection (possibly by turning on the hot water tap and feeling the two feed water valves). Then turn off the cold water supply line and fit the appliance valve at the top between the flexible hose and the water tap. Use Loctite 55 or hemp as sealing material during assembly.



Feed water valve; with 3/8" inch GSM connector, stopcock with 3/8" water inlet connection.

Installation under sink valve

1. Take apart wire hose from under-sink valve.
2. Connect feed water valve with under-sink valve (figure b), insert 3/8" tube into outlet of feed water valve (figure b-1).
3. Lock the wire hose to the feed water valve (figure c), tighten it.
4. Open water supply and check carefully in case of leak.

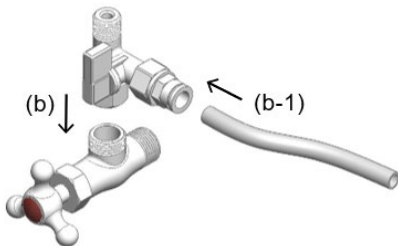


Figure (b)

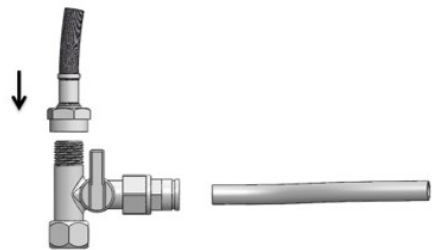


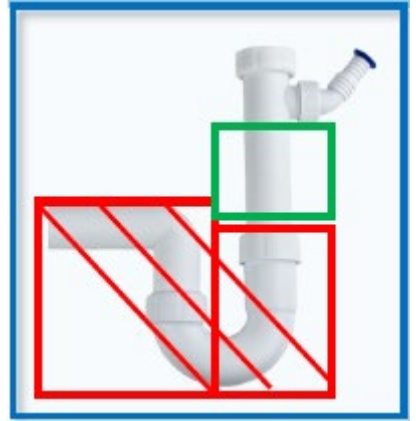
Figure (c)

Sewage connection

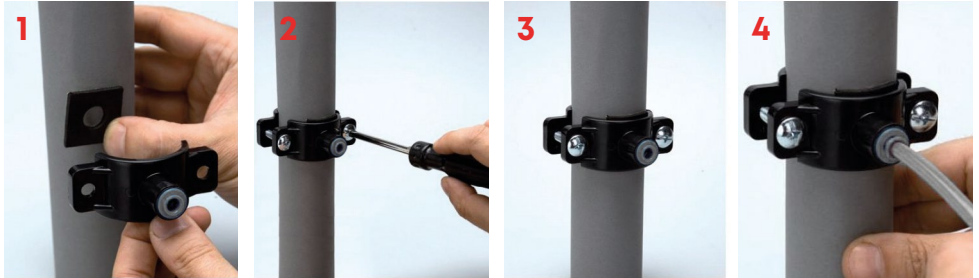
Connection of the drain water clamp above the siphon drain pipe.

Glue, position, and align the rectangular seal exactly on the clamp (pay attention to the hole).

The connection position must always be above the siphon drain pipe. Drill a 1/4" hole at the selected connection point and screw the two halves onto the waste pipe so that the hose connection exactly matches the hole. Tighten the screws of the halves evenly and not too tightly. The waste pipe must not be deformed. Now press the 1/4" hose into the clamp so that it sits flush with the hole.



Connection position of the drain water clamp.



Water tap

Drinking water tap: Installation in the sink

The drinking water tap is installed at the edge of the sink directly into the metal rim or into the worktop next to it. Please choose the location carefully and check your choice to ensure that the tap can be fitted cleanly from below and does not collide with brackets or anything else. Drill a hole at the desired location and insert the tap with any existing substructure through it.

The size of the hole may vary depending on the design. Screw the tap in place from below with the locknuts.

We recommend replacing the existing tap with one of our 3in1 or 4in1 taps. This way you can do without the hole.



1 in 1 water tap



Combination water tap

Connection variants

You will find parts for both connection variants in the tap installation kit.



1

Connection tap thread 7/16 inch x 1/4" hose

Screw the respective adapter tightly onto the thread and then insert the 1/4" hose into the push-fit connection.

If necessary, seal the thread with Teflon tape and screw it on tightly enough, otherwise there may be a leak which causes the water pump of the EVOfilter to start permanently.



2

With some 3in1 or 4in1 fittings, you have to screw a push-fit thread (3/8 ET to 1/4") into the flexible hose.

If necessary, seal the thread with Teflon tape and screw it on tightly enough, otherwise there may be a leak which causes the water pump of the EVOfilter to start permanently.

CONNECTIONS

Connections on the EVOfilter

The following water connections are located on the back of the EVOfilter:

- 1 **Power connection** (240V/50Hz power connection)
- 2 **Raw water** (3/8" hose)
- 3 **Drain water** (1/4" hose) for the drain water clamp
- 4 **Clean water** (1/4" hose) for the water tap

The hoses supplied must be cut to the appropriate length.

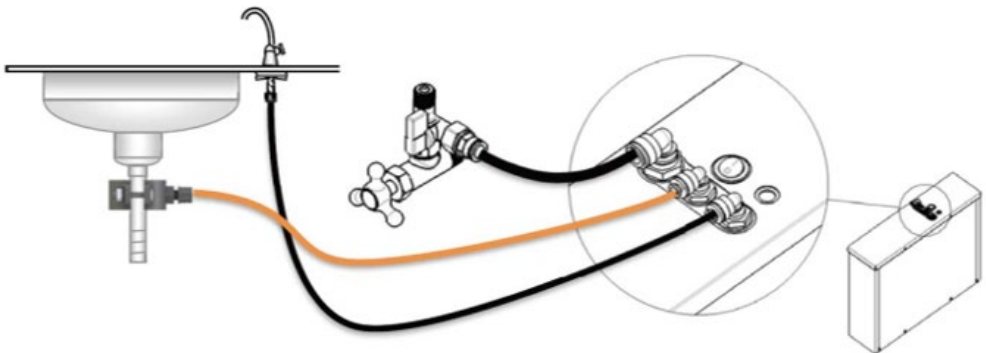


Important

Do not shorten the hoses more than necessary so that you can move the unit more easily later (e.g. for filter replacement) when it is connected.

Connect all parts

1. See (figure g) and connect all parts:
2. Connect feed water with the inlet water of the system.
3. Connect faucet with RO water of the system.
4. Connect drain saddle with the drainage of the system.
5. Place the leak detector in the downstream to be able to function if leak occurs.



SETTING INTO OPERATION

If you have carried out the installation properly and all hoses are connected correctly, you can put the system into operation.



1. Checking the water supply (cold water)

- a) The cold water is turned on again and open.
- b) The water temperature is between 4° and 25° C.
- c) The water pressure is above 1.9 bar.



2. Switching on the power

- a) Connect the power plug to an active socket and plug it into the unit.
- b) Flip the switch, appliance is switched on.



3. Opening the tap

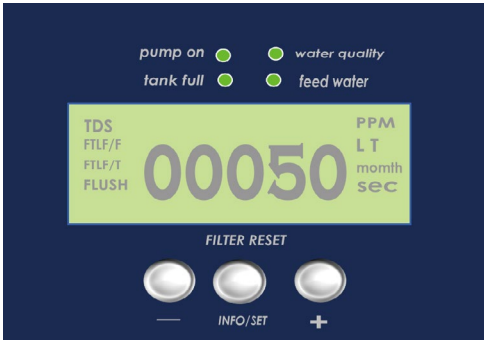
When using the appliance for the first time, it may take some time before the first water flows out of the tap. Also with each subsequent use, the water flows with a slight delay, as the pump has a pressure delay of 2 seconds. This serves as protection and ensures a longer shelf life.

Important

When using the filter for the first time, let it run for approx. 5-10 minutes at a time until the water is clear! The membranes need this time to fill completely with water. As soon as the water is crystal clear, you can switch the filter off again.

RUNNING AND OPERATION TESTS

After installation is done, follow the below actions for running and operations tests:



P.S. (1) It is important to open water supply before power supply, if you do it in contrary, it might cause error. If it happens, please unplug and plug it again.

P.S. (2) The working pressure of pump is designed as adjustable type, at test stage please adjust to 70~90psi, do not under or over this suggested pressure.

| Actions | Status | LCD indication | Light indication | | | |
|------------------------------------|---|----------------------------------|------------------|---------------|---------|------|
| | | | Water source | Water quality | Pump on | Full |
| 1. Open feed water valve | | | | | | |
| 2. Open faucet | | | | | | |
| 3. Plug in power supply | Filter starts running | TDS | ON | ON | | |
| 4. Close faucet | Pressure raises till water is filled in unit | TDS | ON | ON | ON | |
| 5. Flush | The system stops working for 5 secs and then drain for 20 secs. | Count-down flush time in seconds | ON | ON | | ON |
| 6. Standby | Standby | TDS | | ON | | ON |
| 7. Consuming filtered water | Pressure decrease, the unit starts filtering | TDS | ON | ON | ON | |

LCD screen indication

| LCD indication | Status | Light indication | | |
|----------------------|------------------------------------|------------------|---------------|-------------------------------|
| | | Water source | Water quality | Buzzer |
| FEED / flash | No feed water | Red flash | | Beep-Beep |
| TDS / flash | Bad water quality | | Red flash | |
| CHAng / flash | Time for filter replacement | | | BeepBeep- BeepBeep |
| LEAC / flash | Leak | | | BeepBeepBeep- BeepBeepBeep |

Function search (under the status of standby or filtering)

| Action | Indication |
|----------------------------------|-----------------------------|
| No touch | Current TDS |
| Press INFO once (shortly) | Remain service life (liter) |
| Press INFO once (shortly) | Remain service life (month) |
| Press INFO once (shortly) | Current TDS |

Confirmation

1. During the appliance is working, open faucet to drain some filtered water.
2. It's normal to see black water (comes from carbon powder)
3. Higher TDS is expected during this status.
4. Let the RO water flow for 3 minutes then closes the faucet. Throw this water away. Now you can start enjoying quality water.

