

MANUAL

**EVOdescale / EVOadsorb /
EVOsorb / EVOtransform**

- Installation Manual
- Commissioning
- Warranty Terms and Important Information



Manufacturer

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IMPORTANT INFORMATION IN ADVANCE!

Limits for EVOdescale, EVOadsorb, EVOsorb & EVOtransform

Parameter	Limit Value
Water Pressure	2 bar to 5 bar
Water Temperature	4°C to 65°C
Total Dissolved Solids	max. 60 °fH / 600 ppm

The products have been tested and certified for pressure resistance up to 8 bar. If installation occurs under conditions exceeding this pressure, Evodrop AG must be informed. Without confirmation from Evodrop, no warranty can be granted.

MAINTENANCE

The filter requires maintenance after one year through a cartridge replacement (EVOdescale, EVOadsorb or EVOsorb).

In the event of a technical defect, always contact Evodrop or a certified specialist.

Regular cartridge replacement is essential. Unless otherwise stated, the cartridge must be replaced annually. However, an earlier replacement may be necessary if water flow is noticeably reduced or if limescale protection significantly decreases. This is not a defect in the filter but an indication of increased fine particles, excessive limescale in untreated water, or higher-than-average water consumption.

To ensure proper cartridge replacement, Evodrop AG provides a detailed manual for each cartridge. If desired, a service technician can perform the replacement at an additional cost.

WARRANTY TERMS

The warranty for the entire home water system is 20 years.

Various other warranty conditions may apply between the end user and the retailer, such as an "all-inclusive" maintenance contract or extended warranty. These do not bind the manufacturer in any way.

The manufacturer's warranty excludes components not directly related to the Evodrop system, such as the pressure-reducing valve, pre-filter, or any pipe materials. Additionally, components damaged due to negligence, misuse, or improper installation by unqualified personnel are also excluded from the warranty.

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

PREPARATION FOR INSTALLATION

Carefully unpack all parts and verify that the following components are included:

- **EVOdescale, EVOadsorb or EVOsorb**
 - Stainless steel housing
 - Filter cartridge (refer to the blue-highlighted note below)
 - 2x air vent valves
 - Rubber hose for drainage
 - Maintenance hook
- **EVOtransform (if ordered)**
- **One tube of silicone grease**
- **Manuals (installation, maintenance, & cartridge use)**

Cartridge not pre-installed:

Insert the cartridge into the housing according to the enclosed instructions. Rotate it on its axis until it clicks securely into place.

Organize Additional Materials

Evodrop AG supplies only the components listed above. To ensure a professional installation, the following materials must be organized by the installer (Evodrop or an external plumber):

- **Connection fitting from the pipe network to a 28 mm press pipe**
- **Connection fitting to a 1-inch male thread (flat-sealing)**
- **All necessary pipe materials, transitions, and angles**
- **Connection set for water softeners (bypass module)**

Installation Note

The system must be protected from frost, as freezing can damage the unit. Installation on a suitable connection fitting (bypass) is mandatory.

We recommend that installation be performed by a certified plumber to avoid water damage due to improper installation.

The connection parts are extensively tested and conform to standards. The installation method for connecting to the water network is the responsibility of the installer. Evodrop accepts no liability for improper installation.

All threads and connection pieces must be thoroughly sealed and carefully checked for leaks after installation.

Connections

All components (EVOtransform / EVOdescale / EVOadsorb / EVOsorb) feature a 1-inch flat-sealing male thread that can be easily mounted to a press fitting.

EVOtransform

Connections

1-inch stainless steel male thread (flat-sealing)

Flow Direction

Follow the indicated flow direction (marked on the housing).

Installation Orientation

Can be installed vertically or horizontally.

EVOdescale/ EVOadsorb/ EVOsorb

Connections

1-inch stainless steel male thread (flat-sealing)

Flow Direction

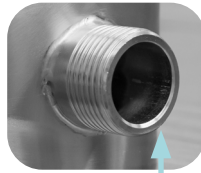
Follow the indicated flow direction (marked on the housing).

Installation Orientation

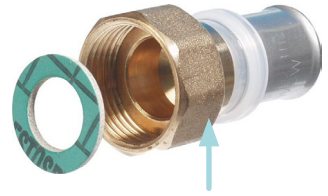
Only vertical installation is permitted.



4 mm wall thickness for the flat thread



4 mm wall thickness for the flat thread



Connection Fitting from Flat-Sealing to Press-Fit.

Attaching the Air Vent Valves

Before commissioning, attach the air vent valves to the housing as follows:



Screw the valve onto the housing cover.



Attach the second valve to the thread at the water inlet and outlet.



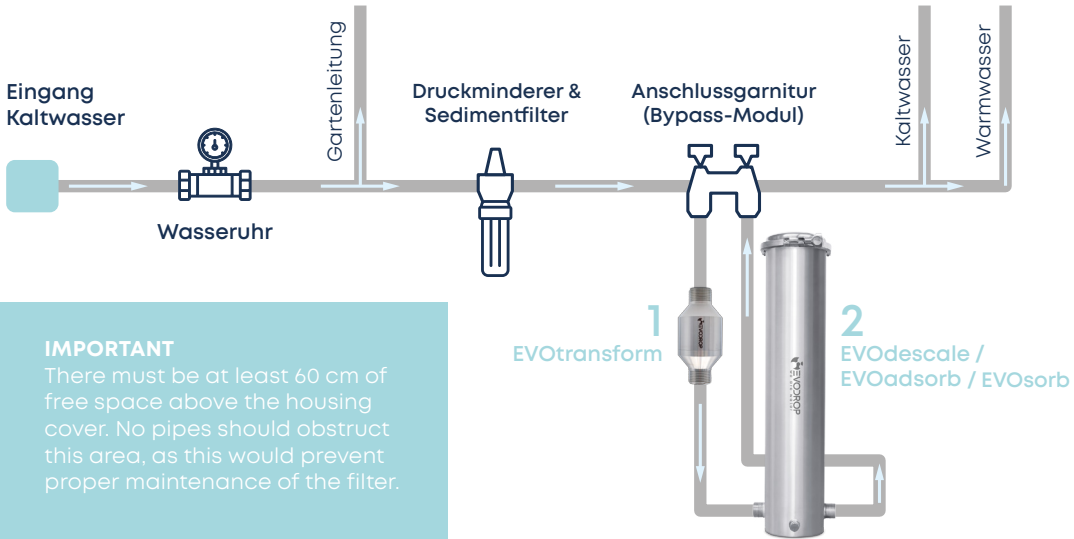
Lubricating the Seal Ring

Before commissioning, remove the black seal ring from the housing cover. Evenly apply a small amount of the supplied silicone grease to the seal ring. Reattach the seal ring neatly to the housing cover.

INSTALLATION DIAGRAM

There is a predefined installation schema for the setup. Please identify a suitable option based on the house installation and the available space.

If the garden line is to be included, or if the installation cannot be implemented according to the DRV, the products can, if necessary, be installed before the pressure reduction in consultation with Evodrop. Additional installation options must be requested.



IMPORTANT

There must be at least 60 cm of free space above the housing cover. No pipes should obstruct this area, as this would prevent proper maintenance of the filter.

Examples of Optimal Installation

Here are examples of various placement options for our system. The installation diagram must ALWAYS be strictly adhered to.



Overhead Installation using pipe clamps and a Y-flange.



Floor Installation on a compact Y-flange.



Compact Overhead Installation using pipe clamps.



COMMISSIONING

1. Open the housing cover and ensure that the filter cartridge has not shifted during installation. To confirm proper placement, gently rotate the cartridge around its axis with slight pressure. Then, securely reattach the housing cover.
2. Keep the cold water supply (shutoff valve) and connection fitting (bypass) closed. Check all connections of the installed components and tighten them again if necessary.
3. Ensure that the mixing valve for blending raw water on the connection fitting (bypass) is **COMPLETELY CLOSED**. This is critical and very important for the proper functioning of the system.
4. Attach the supplied plastic hose to the top air vent valve and direct the hose into a drain or bucket.
5. Briefly open the top air vent valve completely. Then, slightly open the main inlet valve and the connection fitting inlet to partially allow water to flow. Wait until a steady stream of water comes out of the air vent valve. Once the flow is steady, the housing is vented, and you can fully close the air vent valve.
6. Slowly open the main inlet valve and the water inlet of the connection fitting completely. Check all connections for leaks. If everything is sealed correctly, fully open all valves on the connection fitting (bypass) as well as all shutoff valves.
7. Now let the water run for approximately ten minutes exclusively through the nearest cold-water tap downstream of the system.
8. If there is consistent flow without pressure or flow loss during flushing, the system is fully installed and ready for operation.

Note

Always store any remaining components, such as the maintenance hook, hose, silicone grease, or antibacterial cleaning cloth, near the installation site.

IMPORTANT NOTES

Warranty for EVOtransform and EVOdescale / EVOadsorb / EVOsorb

The product quality is guaranteed under the compensation criteria for consumer damages for 20 years after purchase.

Maintenance of EVOtransform

The EVOtransform is entirely service- and maintenance-free.

Maintenance of EVOdescale / EVOadsorb / EVOsorb

For proper maintenance of EVOdescale / EVOadsorb / EVOsorb, please carefully read the supplied operating manual.

Additional Notes

- Products with damages or malfunctions are subject to Swiss law regarding service, repair, and replacement.
- Repair services after the warranty period may incur additional costs.
- Unauthorized use, disassembly, modification, or improper maintenance of Evodrop water treatment systems is not covered by the warranty.
- Failure to follow this operating manual voids all warranty claims.
- Evodrop accepts no liability for the use of filter cartridges or water systems from other manufacturers in combination with EVOdescale / EVOadsorb / EVOsorb.
- If the raw water mixing valve on a connection fitting (bypass) is not fully closed, any associated service will not be covered under the warranty.

Does the water hardness change? How should household appliances be adjusted?

No, just as with traditional salt-based water softening systems, the water hardness does not change. Vendors of salt-based water softening systems often claim that water hardness and lime protection can only be verified using test strips. This is misleading because test strips are specifically designed to react only to charged mineral ions.

The actual amount of particles in the water (PPM) remains unchanged. Why? Salt-based softening systems replace the mineral complexes in the water with salt, which does not react with the test strips.

The Evodrop system dissolves lime compounds in the water, isolates the minerals, and through chelation with malic acid, renders the minerals completely non-binding in the water. The mineral content remains the same after treatment, so the "water hardness" as measured by test strips or drop tests changes only slightly.

The end result is comparable to conventional salt-based water softening systems but is far more sustainable—without the use of salt, electricity, wastewater, and with significantly less maintenance effort.

Water-using appliances should now be adjusted to 10–13 °fH. The use of dishwashing and laundry detergents can be reduced. Please completely avoid using regenerating salts in dishwashers and washing machines.

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