THE LOCAL WATER

# User Manual

## Reverse Osmosis System

# TLW 4

The Positive Business Company
www.thelocalwater.com

TLW 4 as of May 2026

Thank you for your trust, and we're delighted that you've chosen a product from The Positive Business.

This manual will help you quickly and easily start enjoying your "freshly filtered water."

Our products are continuously being developed and improved. Therefore, some details may differ from the illustrations or descriptions in this manual. Of course, the basic function and operation remain unaffected.

# 1. What's Included

## 1.1. The package includes:

- Main unit
- Water reservoir
- Dispensing faucet (permeate faucet)
- Unit valve (inlet) with Aquastop
- Tapping clamp for drain line
- Connecting hoses
- User Manual

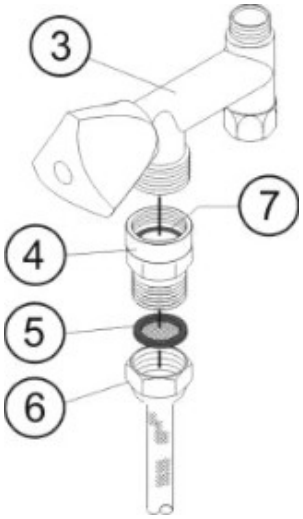
# CAUTION

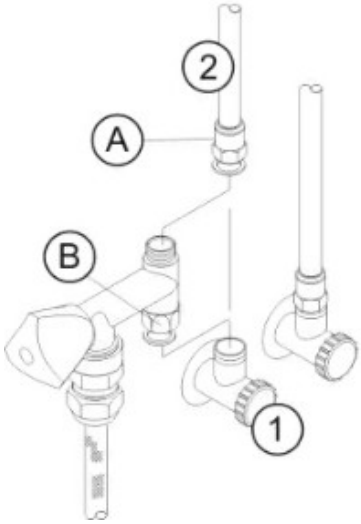
- **Never let hot water run through the system**
- **Do not expose the system to freezing temperatures**
- **Water must continuously drain through the red PE drain hose during operation**
- **If you will be away for an extended period, the unit should be depressurized for safety**
- **After a period of inactivity lasting more than 4 weeks, it is recommended to disinfect the system and, if necessary, replace the pre- and post-filters as well as the membrane, and then flush the system for 15–20 minutes**
- **To ensure the system functions properly, the pre-filter must be replaced every 6 months, the post-filter every 12 months, and the membrane and flow restrictor every 3–5 years**
- **The system is designed for standard tap water (temperature 4°C–25°C, water pressure 3–6 bar, maximum total hardness 45°dH**

# 2. Establishing the raw water supply

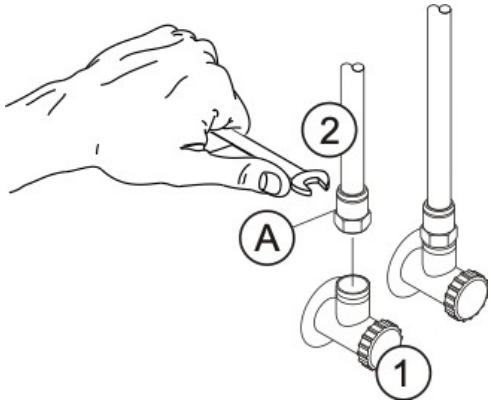
## 2.1. Installing the System Valve

| | |
|---|---|
| • Check that the gasket **-7-** in the Aquastop -4- is present and undamaged.<br>• Screw the Aquastop -4- onto the thread of the appliance valve **-3-** and tighten the Aquastop by hand.<br>• Insert the strainer **-5-** into the connector **-6-** and screw the connector onto the thread of the Aquastop. | • Place the gasket into the nut **-B-** of the appliance valve and screw the appliance valve **-3-** slightly onto the angle valve **-1-.**<br>• Check to make sure the gasket is still in place and undamaged in the nut **-A**-.<br>• Screw the cold-water line **-2-** slightly onto the upper thread of the appliance valve **-3-.** |



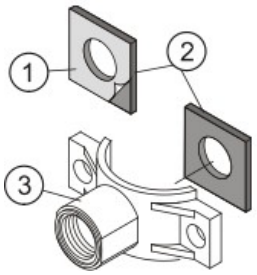
| | |
|---|---|
| • Turn on the cold-water faucet and let the water run.<br>• Close the angle valve **-1-** on the cold water line **-2-** leading to the faucet by turning the angle valve's handwheel to the right until no more water flows from the faucet. Place a cup under the angle valve.<br>• Loosen connection **-A-** on the cold water line **-2-** and disconnect the cold water line from the angle valve **-1-.** | • Align the appliance valve, and tighten the two nuts **-A-** and **-B**-.<br>• Close the appliance valve **-3-** by turning the handwheel all the way to the right.<br>• Open the angle valve **-1-.**<br>• Once the water is flowing properly again, close the faucet after venting.<br>• Then check the connections for leaks. |



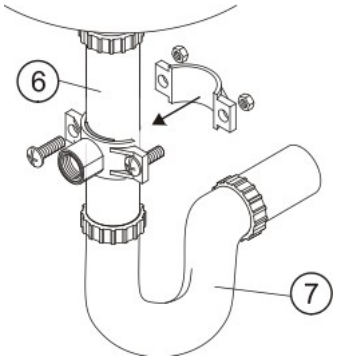

If the pipe is leaking, tighten the leaky connection with a wrench. If the leak cannot be eliminated, close the angle valve again and loosen the connection. Check that the pipe is seated properly in the connection and that the gaskets are in place.

# 3. Installing the Concentrate Drain

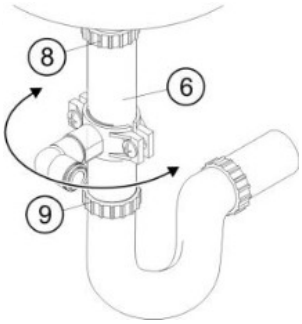
## 3.1. Installing the Tapping Clamp




• Disconnect the tap-in clamp.
• Peel off the protective film **-1-** from the gasket -2-
• Stick the gasket into the pipe clamp **-3-**




• Then place the pipe clamp above the drain elbow **-7-** on the sewer line **-6-.**
• Assemble the parts of the tapping clamp and tighten the screws.
• Drill a hole **with a diameter of 6–10 mm** through the opening of the tapping clamp **-4-** into the sewer pipe **-6-.**
• Screw the connector **-5-** into the opening of the tapping clamp.




• Loosen the screw connections **-8-** and **-9-** on the wastewater pipe
• Rotate the drain pipe until the tapping clamp points toward TLW 4 or, if necessary, toward an unobstructed area.
• Tighten the screw connections on the wastewater pipe again.

## 3.2. Installation of the Permeate Faucet

The collected permeate is drawn exclusively through the permeate tap. The neck of the permeate tap can be rotated freely 360° horizontally.

• Determine the location of the permeate tap.
The center of the hole should be no more than **12 cm** from the inner edge of the sink so that any dripping permeate also flows into the sink.
• Drill a hole between 12 and 16 mm next to the sink in the countertop or at the location where the permeate faucet is to be installed.

## 3.3. Mounting the Housing with the Filter System

• Hold the filter system housing horizontally and vertically against the wall where the filter system is to be mounted.
• Check whether the hose lengths are still sufficient to allow for easy connection of the housing's ports, the water inlet (angle valve), and the water outlet (tapping clamp).
• Use a pen to mark the mounting points on the back wall (Figure 1).
• Drill one hole through each marked point.
• Insert the supplied mounting hardware into these drilled holes (Figure 2).
• Tighten the screws just enough so that the screw head protrudes about **5 mm** from the wall (Figure 3).
• Take the housing with the filter system and guide the two mounting brackets on the back panel of the filter system over the screws.
• Press the housing with the filter system down (Figure 4).

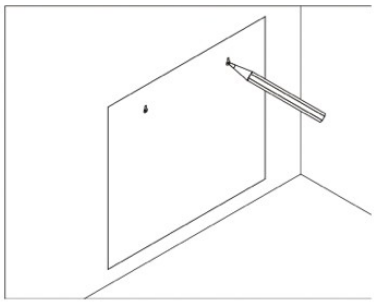


*Figure 1*

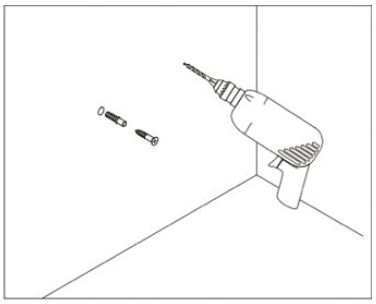


*Figure 2*

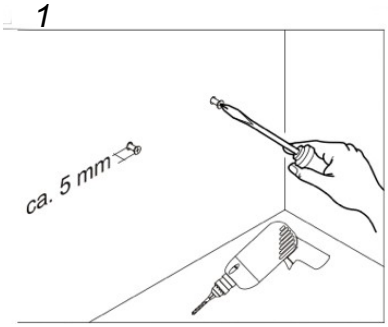



*Figure 3*

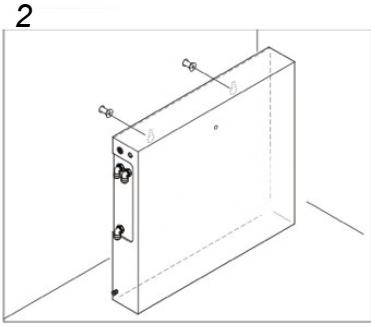
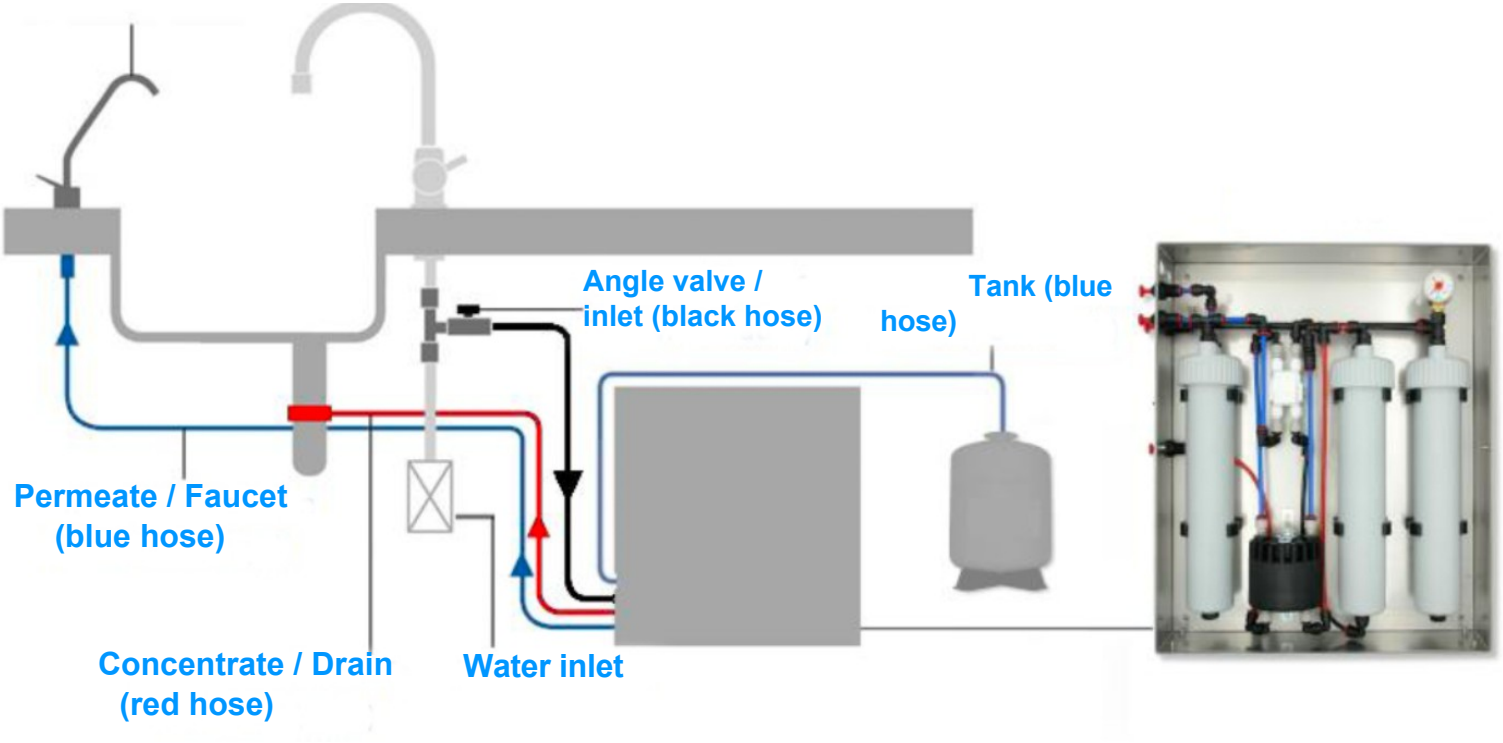


*Figure 4*

### 3.4. Connecting the Hose Lines




Use the red PE hose to connect the concentrate port of the TLW 4 to the elbow fitting on the drain pipe. Before connecting, remove the red retaining rings that are factory-installed on the fittings. Reinstall the retaining rings after the hose is connected.

Use the free end of the silver flexible hose to connect the TLW 4's inlet port to the cold water line (unit valve).

Insert the black elbow of the blue plastic hose into the permeate connection of the TLW 4 (labeled "Water Tap"). Connect the free end of the blue hose to the connection piece of the permeate tap and then secure it with a red ring.

Insert the black elbow of the second blue plastic hose into the water reservoir connection on the TLW 4 (labeled "Tank"). Connect the open end of the blue hose to the water reservoir's connector and then secure it with a red ring.

Open the angle valve and check the system for leaks.

# 4. Operation

To put the TLW 4 into operation, the system must be properly connected.
The angle valve must be open. The first tank fill takes about 15–20 minutes; after that, open the permeate valve for 15–20 minutes to flush out this initial fill. Then close the permeate valve. After 15–20 minutes, the tank will be refilled and the system will be ready for operation. To draw the treated permeate, simply open the permeate valve.

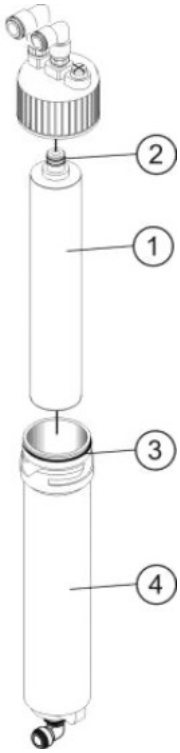
# 5. Maintenance

## 5.1. Replacing a Filter Cartridge

**Removing a Filter Cartridge**

• Relieve the pressure (close the angle valve on the inlet, close the tank valve, then open the permeate valve).
• Remove the housing. Hold the housing with one hand and pull the filter cartridge forward, first out of the lower retaining clip and then out of the upper one. Make sure that the short hoses connected to the upper fittings remain attached to the system.
• Open the bayonet lock by holding the cap in place and turning the lower section to the left.
• You are now holding the lower part loosely in your hand. You can let the cap hang. If the filter insert gets stuck in the cap, pull it out carefully.
• Remove the filter cartridge from the filter housing

**Installing a filter cartridge**




• Before installation, check the filter housing for deposits and other contaminants. Remove any contaminants if necessary.
• Check the cap gasket **-3**-. If the gasket is worn, it must be replaced; otherwise, the system will not be leak-tight.
• Insert the filter element **-1-** into the filter housing **-4**-.

Pay attention to the orientation of the filter cartridge. Incorrect orientation will cause malfunctions. The side with the two *O-rings* **-2-** must face *upward*!

Screw the filter housing into the filter cap.
• Press the filter housing back into its mounts.
• Flush the filter system and check for leaks.
• Put the TLW 4 back into operation.
• Record the filter change in the maintenance log.

5.2. **Products and Accessories**

You can obtain information about products and compatible accessories from your dealer:

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