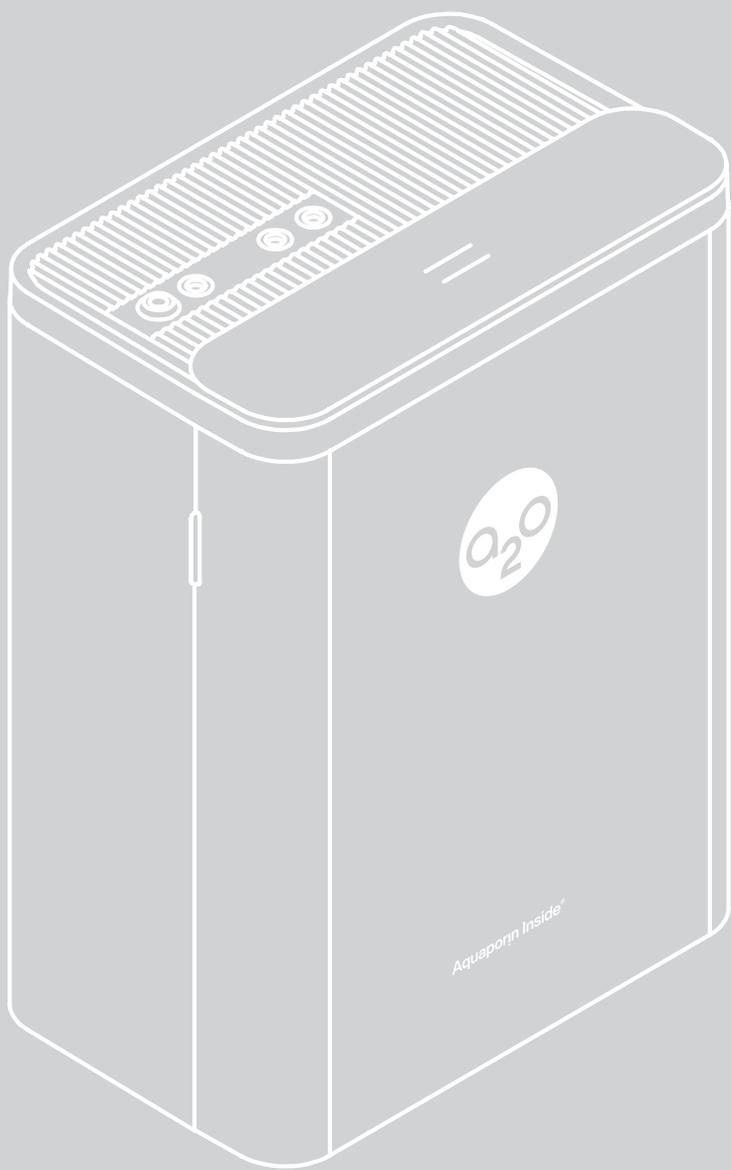




Aquaporin Inside®





PURE WATER

A2O Pure Use and installation manual

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For the most updated installation manuals in more languages, go to [Aquaporin.com/installation](https://www.aquaporin.com/installation) or contact the store where you bought your machine.

Control via app



Aquaporin

Connect with your purifier

Connect your A2O purifier with your smartphone to manage and track your water usage in real time.

Receive updates

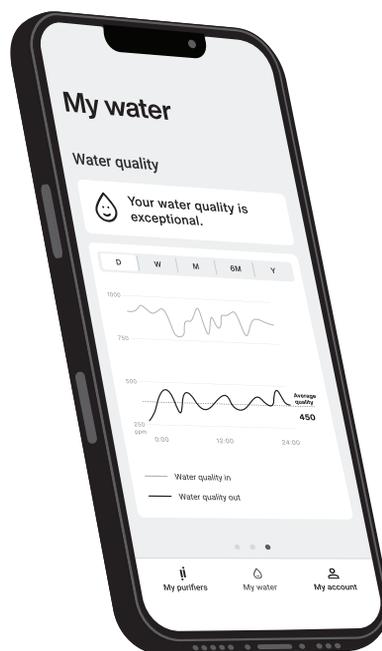
Receive recommendations to ease the use of your A2O purifier and get a reminder when it's time to change filters.

Track usage

Creates transparency between you and your A2O purifier by allowing tracking of your water usage. Monitor filter lifetime, next maintenance, and the effectiveness of the purification of the purifier.

Access information

Access manuals, installation guides, and useful information about water.



About A2O Pure

The A2O Pure is a direct flow water filtration system with Aquaporin Inside® technology. The system can be used wherever traditional reverse osmosis (RO) systems or other types of water filtration system reach their limits.

The Aquaporin Inside® Drinking Water Membrane (DWRO®) uses unique “made by nature” proprietary membrane technology to remove PFAS, heavy metals, microplastics, bacteria, viruses, hormones, nitrates, limescale and other harmful substances.

System/technical details

A2O Pure

Model Name	UTS-800
Product Category	Under-the-sink

Input water limitations

Feedwater temperature (min. / max.)	5–25°C
Inlet pressure (min. / max.)	1–6 bar
Feedwater Quality	Municipal tap water

Filter cartridges

Number	Name	Material	Lifetime
1.	Pre-filter	PP cotton + Activated carbon	12 months or 4,500 L
2.	Post-filter	Activated carbon	12 months or 4,500 L
3.	DWRO®	Aquaporin Inside® membrane	24 months or 7,000 L

Technical data

Flow rate of filtered water ¹	2.1 L/min
Water recovery rate ²	66% (2:1)
Membrane capacity	800 GPD
Salt retention ²	95-98%
Electrical connection	100 - 230 V
Power consumption (operation)	95 W
Power plug standard	EU
Noise level	53 ±1 dB
WiFi connection + app	Yes
Leak detector	Yes
Membrane flushing (auto-cleaning)	Yes
Feedwater, permeate and wastewater connections	3/8, 1/4, 1/4 inch
Dimensions (W×D×H)	315 × 203 × 427 mm
Weight	8.57 kg
Compliance	CE, EUFCM

¹ The flow rate is tested at 25 °C; lower water temperatures will reduce the flow rate

² The system is influenced by feedwater conditions such as pressure, temperature, TDS levels, and hardness. The better these incoming conditions, the better performance. Depending on local water quality and use environment, the lifetime of the filters, flow rate, recovery rate and salt retention rate will vary.

General Information

The manual contains important instructions for safe and efficient use of the A2O Pure, UTS-800. This manual is part of the device and must be constantly available at the place of operation.

Installation or maintenance done on this system by an untrained service person can cause major damage to equipment or property damage.

Description of symbols listed

The manual uses the following symbols. The warnings/instructions are introduced by signal words to underline risks. The warnings/instructions absolutely must be complied with. The operator must act carefully to avoid accidents and property damage.



Danger: Electric current or voltage!
Always consult a qualified electrician when working on places denoted by this symbol.



Attention: Dangerous spot! Details or orders and prohibitions to avoid personal injury or extensive damage to property



Observe: Underlines useful recommendations and information for an efficient operation free of any interruptions.

Warranty and disclaimer



Observe: The information and instructions contained in the manual were compiled based on current standards and regulations, the state of the technology, our experiences, and observations.

The warranty is void in any of the following cases:

- Failure to follow the provisions and information in this guide
- Improper use
- Improper or faulty installation
- Improper start-up, operation, or maintenance
- Use of non-approved components or nonoriginal parts
- Neglecting to perform the required service and replacement tasks

Technical modifications: damage, faults and stoppages resulting from unauthorized alterations

Responsibilities of the operator

- The manual must be easily accessible and kept in the immediate vicinity of the device.
- The device must be operated in a technically faultless and operationally safe condition only.
- The provisions in the manual are to be followed absolutely.

Operating and safety notes

Overview of all operational and safety aspects that are considered important for ensuring safe and fault-free operation. Despite all possible precautionary measures, some residual risk remains with any product, especially if it is used improperly. Warranty claims are void unless the provisions in this manual are observed and followed.

Proper use

The system is suitable for filtration of drinking water quality at up to max. 25 °C and an inlet pressure of max. 6 bar.



Observe: The feedwater must not exceed the limit values given in the technical data sheet – page 5.

The system shall only be used for its intended purpose as designed and as described here in this manual. Any other use is considered “improper”.



Warning! The system must be fed only with cold drinking water.

Permissible operation method



Observe: To protect the drinking water, observe the country-specific guidelines for drinking water installations in any work on the system.

- The system must be disconnected prior to performing any maintenance work on the drinking water supply. Rinse the water pipe sufficiently before reconnecting the device.



Observe: Improper installation of the system may cause damage to it.

- Observe any country-specific installation regulations (such as DIN 1988, EN 1717), general hygienic conditions and technical data for protecting the drinking water.
- Unauthorized modifications to the system and technical alterations are not permitted.
- Avoid mechanical damage to the system. Otherwise, the warranty is void.
- Install a stop valve upstream of the system.
- All materials in contact with filtered water must be corrosion-resistant.
- The device may not be installed in the vicinity of heat sources or open flames.
- The system may not come into contact with chemicals, solvents, or vapors.
- The installation site must be free of frost and protected from direct sunlight.
- The system may not be operated with feedwater that is microbially contaminated, whose origin or quality is unknown, or similar.
- A water softener is strongly recommended for water > 15 °dH. Installing a system with hardness higher than 15 °dH will reduce life of the system and filters.
- Avoid leaving the system in storage for a long time to reduce the risk of idle contamination.

Impermissible operating methods

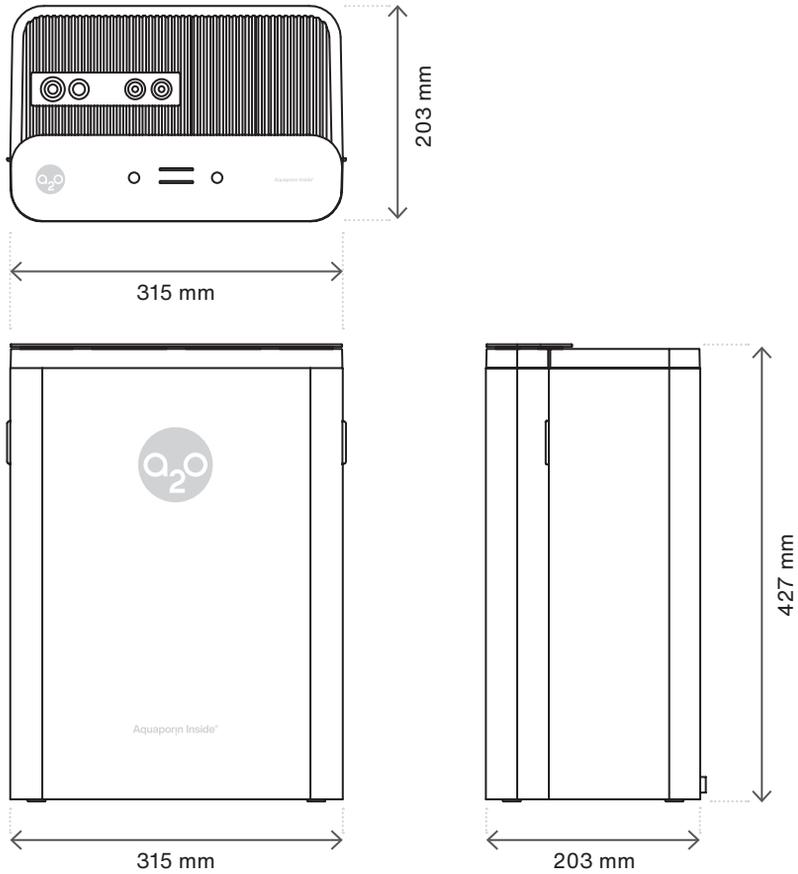


Attention: Danger through improper use! Claims for damages resulting from improper use are void.



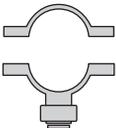
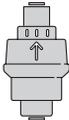
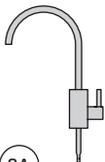
Danger: Always disconnect the power supply of the unit by removing the plug or fuse if hard wired during any maintenance and electrical work.

Dimensions and weight



Net weight: 8.57 kg

List of included components

- | | | | | |
|--|---|---|---|---|
| | DRAIN CLAMP KIT | | | |
|  |  |  |  | |
| 1
Machine incl. filters
1× | 2A
Drain clamps
1× | 2B
Screw + nut
2× | 2C
Gasket
1× | |
|  |  |  |  |  |
| 3
Pressure reducer
incl. check valve
1× | 4
PE pipe
1/4"
1× | 5
PE pipe
3/8"
1× | 6
Push-in
fitting
1× | 7
T-piece with ball
valve, G½ x G½
Local size variations may
occur - please check
with your local dealer.
1× |
|  |  |  |  |  |
| 8A
Faucet
1× | 8B
Spacer
1× | 8C
Upper white
gasket
1× | 8D
Lower black
gasket
1× | 8E
Plastic nut
1× |

Tools
required for
installation



11 mm key
or flexible
spanner



Flat and
Phillips
screwdriver

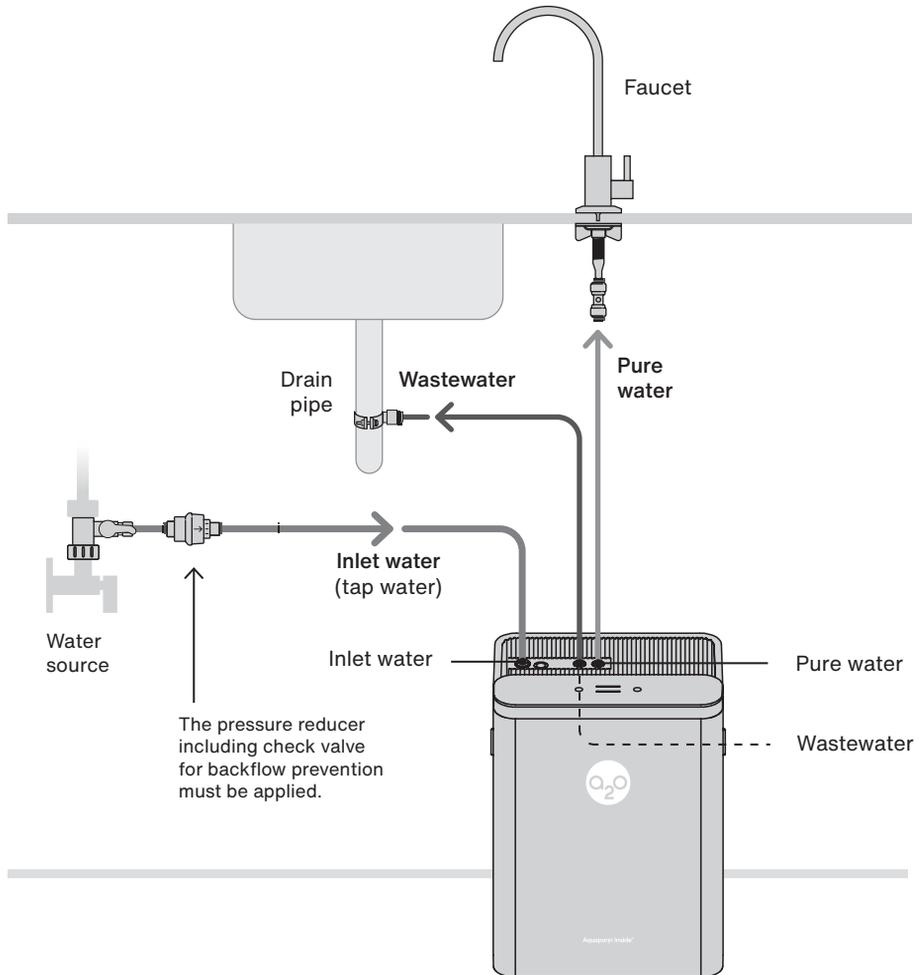


Pincer



Electrical drilling
machine (6 mm
and 12 mm drill)

Installation scheme



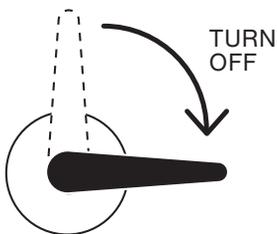
How to install

Before you start, please be sure to clean your hands thoroughly as well as any tools used during the installation of your purifier.

The installation will take approximately one hour.



Before installation, ensure that the cold water valve is turned off/closed.

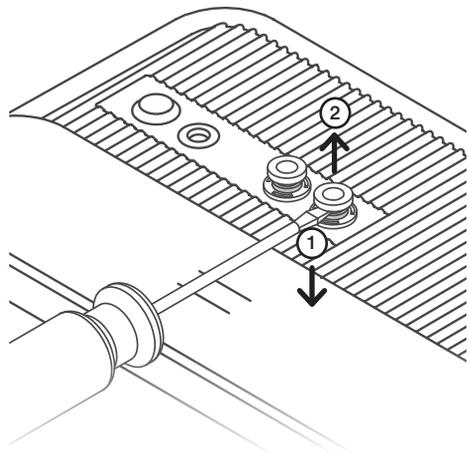


Note that the length of the 1/4" PE pipe is 3 meters. This length is to be used for multiple connections so use only what you need for each connection and save the remaining for later installation steps.

When you cut the PE pipes be aware that the pipe is not compressed when you insert it into connections.



Before installation, remove the white IN and OUT plugs as well as the DRAIN plug. Keep the plugs as they will be reused if the device is relocated.



How to remove the plugs

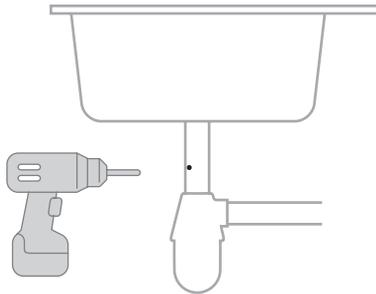
1. Use a flat device, e.g. a screwdriver to push down the grey release collar.
2. You can now pull the plug upwards with your fingers.

Note that there might be a release of air when removing the plugs.

Drain installation

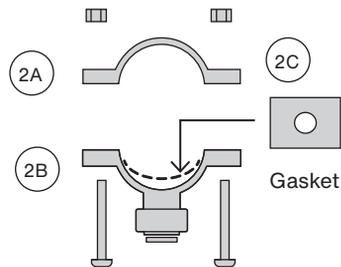
1/5

Drill \varnothing 6 mm



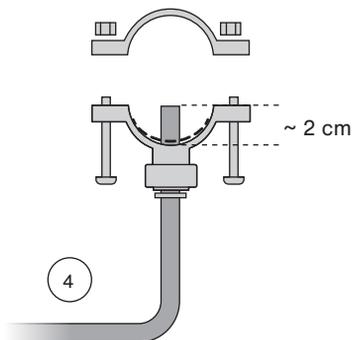
2/5

Add the gasket between the drain clamps and the drain pipe.



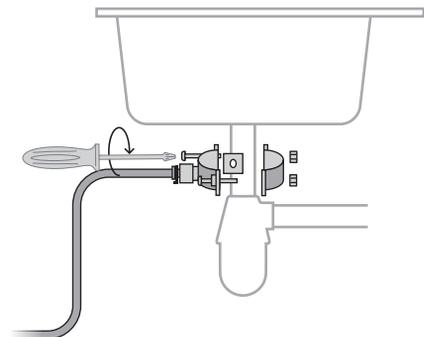
3/5

Insert the 1/4" PE pipe so that approximately 2 cm will be going into your drain pipe.



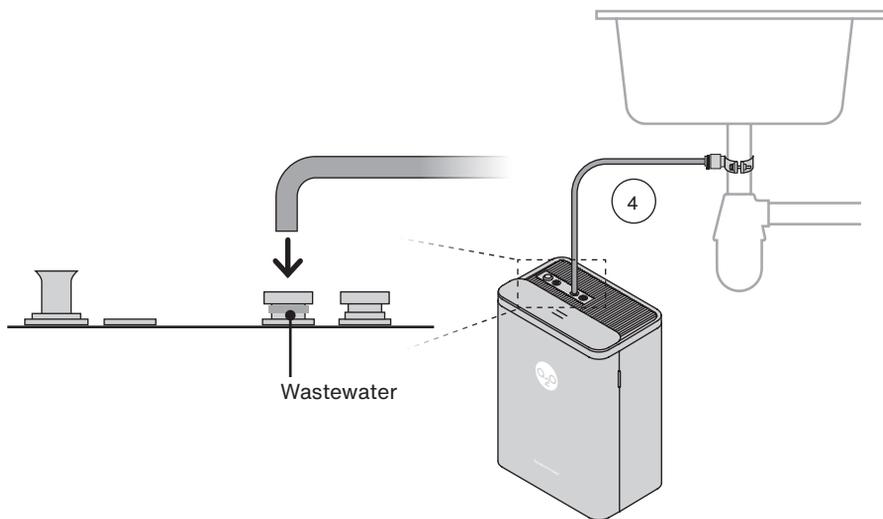
4/5

Tighten the clamp with the Phillips screwdriver.



5/5

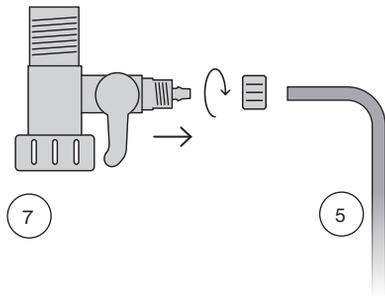
Cut the 1/4" PE pipe to fit the installation and insert it into the wastewater connection on the machine.



Inlet installation

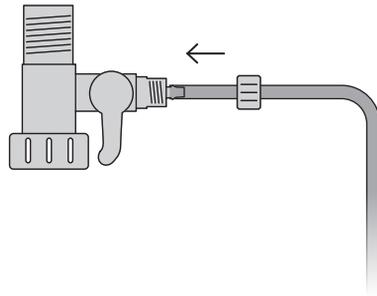
1/6

Unscrew the nut from the ball valve.



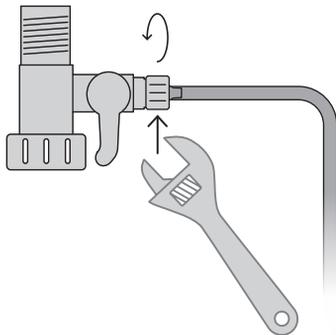
2/6

Insert the 3/8" pipe onto the ball valve.



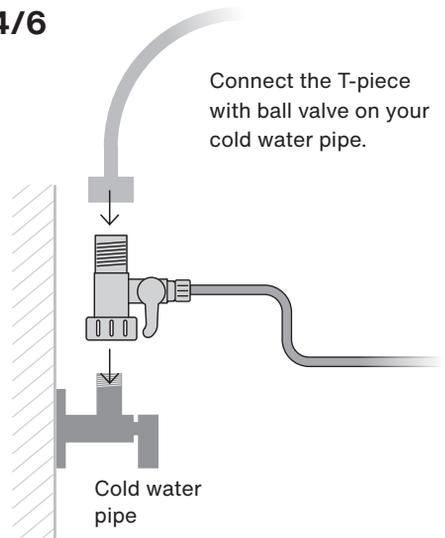
3/6

Tighten the nut with a flexible spanner.



4/6

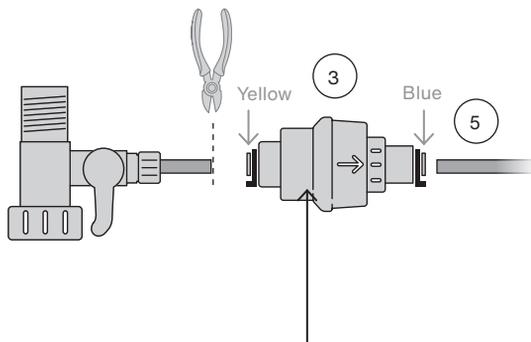
Connect the T-piece with ball valve on your cold water pipe.



5/6

Cut 5 cm of the 3/8" PE pipe with a pincer and insert it in the pressure reducer.

Insert a new 5 cm piece of 3/8" PE pipe at the other end of the pressure reducer.

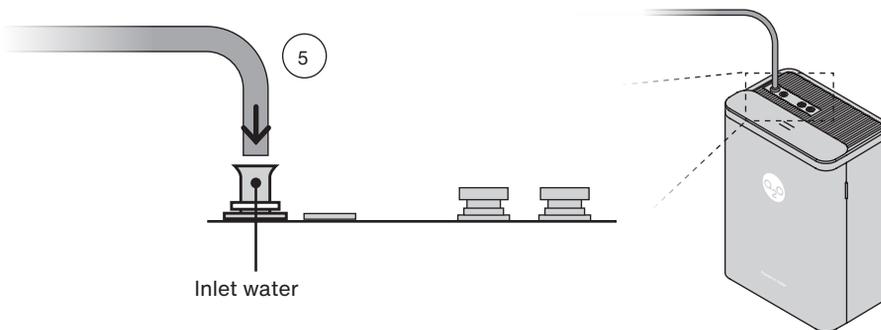


Note that the direction of the pressure reducer! The arrow should be pointing towards the A2O (away from the inlet water ball valve).

6/6

Cut the length of the 3/8" PE pipe to fit your installation.

Insert the 3/8" mm PE pipe to "inlet water" on A2O.

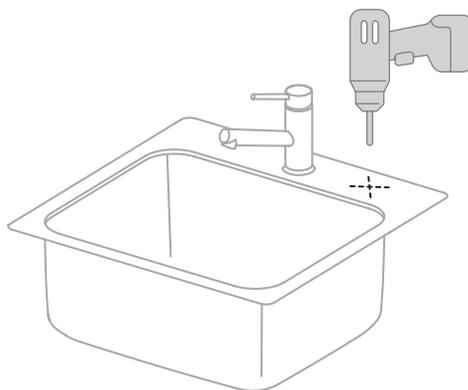


Faucet installation

1/3

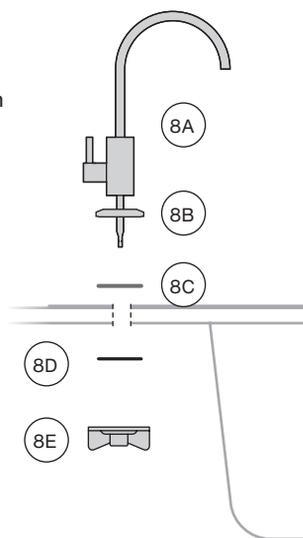
Drill \varnothing 12 mm

Drill a hole adjacent to your regular faucet.



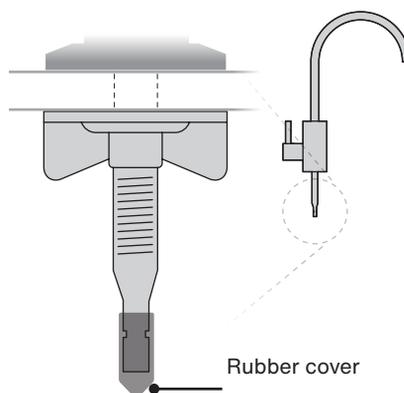
2/3

Assemble and tighten with your hands (no use of tools).



3/3

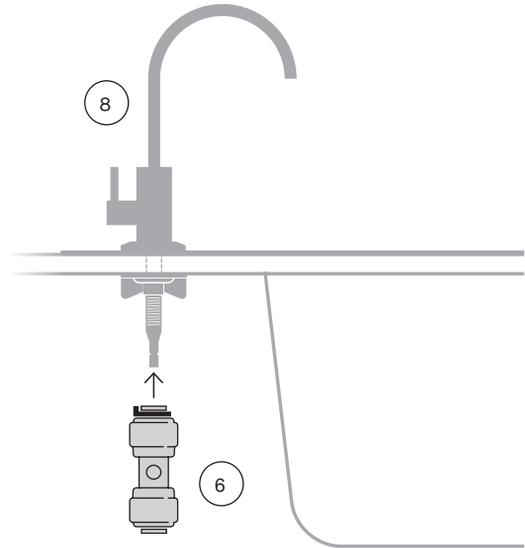
Remove the rubber cover from the faucet.



Pure water installation

1/2

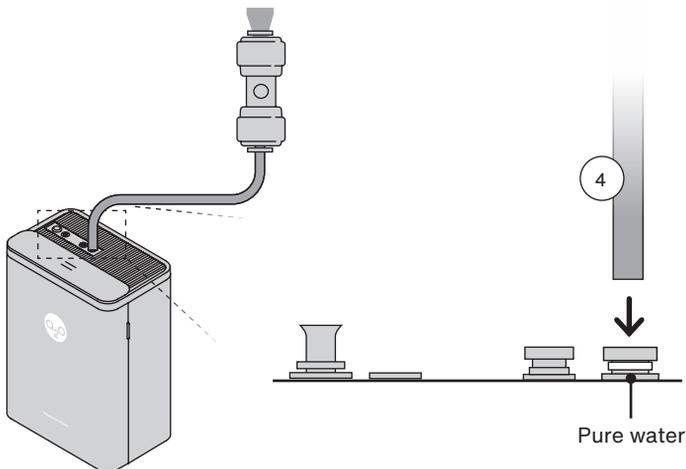
Push the push-in fitting onto the bottom end of the faucet.



2/2

Insert a new piece of the 1/4" PE pipe in the other end of the push-in fitting.

Cut the length of the 1/4" PE pipe to fit your installation and insert it into the pure water connection on the machine.



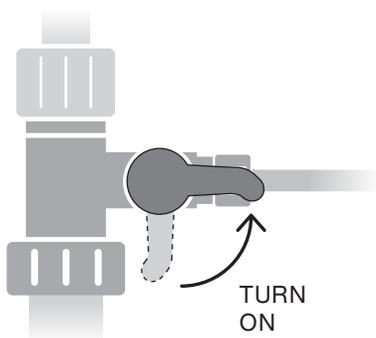
Connect power

1/2

Turn on the water.

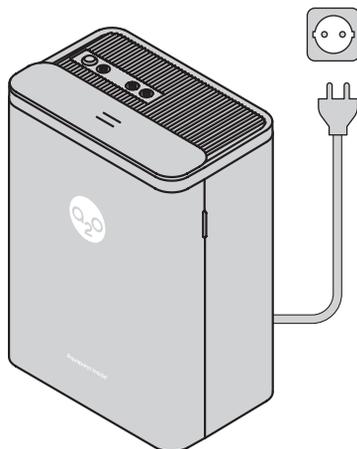


WARNING: Check for leakages before proceeding.



2/2

Connect A2O Pure to your power supply



Complete the installation

The lights on the top panel will blink and you hear a “ding” sound, and you can hear the water flowing into your machine.

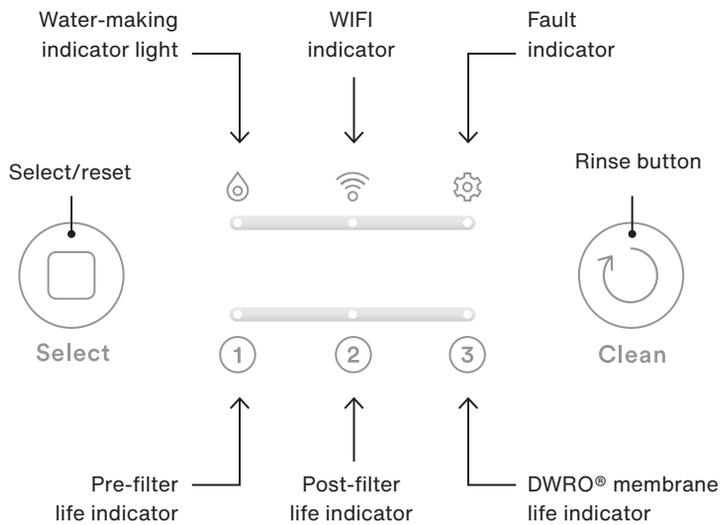
Once the lights on the top panel stop blinking, open your faucet and check for leakages.

After installing your A2O Pure or replacing the cartridges, the system must be flushed before consuming the water – note that the first water coming out will be black. As our DWRO® membranes are constantly improving in quality and technology, we advise you to find the updated flushing times at www.aquaporin.com or contact your local dealer.

Enjoy.

Operating instructions

User interface overview



Starting the machine

When the A2O purifier is powered on the first time, the buzzer will beep, and the displays will be on for 3 seconds.

After 3 seconds, the machine will automatically flush for 30 seconds. After the flushing, if no water is produced, the machine will enter standby mode.

Filter lifetime reminder

The filter life indicator displays the remaining life status of the corresponding filter element in real-time in different colors, as indicated below.

Indicator status	Life state of the filter element
Indicator light is steady blue	The service life of the filter element is normal
Indicator light is blinking red	The service life of the filter element is about to expire
Indicator light is steady red	The service life of the filter element expires

Cleaning

Power-on cleaning: the machine will automatically rinse for 30 seconds after the device is powered on.

Accumulative rinsing: automatic rinsing for 5 seconds after making water for more than 30 seconds or for 15 seconds after making water for 15 minutes.

Standby rinsing: when the machine is powered on when the machine has been on standby for 24 hours, the user must turn on the tap and rinse for 30 seconds.

Manual flushing: in standby mode, press the "Clean" button, and the buzzer will beep once for 1 minute.

In any rinsing state, if the user needs to make water, the water must be made first, and the remaining rinsing actions to be continued after the water has been prepared.

Select button

Filter selection mode:

- Press and hold the "select" button for 5 seconds, a short buzzer will sound in the filter selection mode. By default the first level filter. Again, after a short click on the "select" button, the next choice is the next level filter. A short buzzer sound will sound again. The selected filter indicator is in cleaning state to the current state of life. The selected filter light is on.
- The water will circulate. If there is no operation after pressing "Clean" for 10 seconds, the machine will exit the reset mode automatically.

Reset button:

- Filter element reset mode. This mode is only effective when the filter element selection mode is triggered first. Press and hold the "select" button for 5 seconds, the buzzer will beep briefly once, and the indicator light corresponding to the currently selected filter element will blink 3 times, and then turn steady blue. The corresponding filter element life will then be reset. If there are no operations 10 seconds after pressing the "Clean" button, the machine will exit the reset mode automatically.

Clean button

Press the "Clean" button, the buzzer will buzz once, and the machine will enter the rinsing mode. In the rinsing mode, press the "Clean" button, and the buzzer will ring briefly once, and the machine will stop rinsing. The function of the clean button is invalid in the water-making mode.

Leakage protection

If water leakage is continuously detected for more than 3 seconds, the buzzer will continue to beep. It will beep for 1 second, and pause for 1 second. The machine will stop working, and the fault indicator light will be on. To continue, the alarm can only be removed after the machine has been turned off and turned on again after troubleshooting.

Early warning alert

The water pump continuous work reminder: continuous water production for 30 minutes, the buzzer beeps 15 times, and the machine enters the long-term water production protection mode. It can not make water. Unplug the power cord and plug it in again to restore.

WiFi description

Press and hold the "Clean" button until the WiFi icon light flashes. Select your A2O Pure in your app, then click connect. Once the light of the WiFi icon is steady, the device has been configured successfully. If you cannot connect, please check your WiFi connection, or restart your A2O Pure. If still not working, please go to www.aquaporin.com or contact your local reseller.

Replacement of cartridges

There are three cartridges inside the purifier; a pre-filter which is a 2-in-1 that pretreats the incoming water and protects the Aquaporin Inside® DWRO® membrane

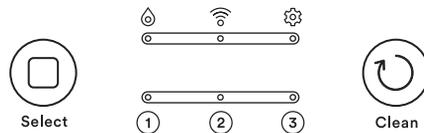
The DWRO® membrane powered by Aquaporin Inside® is the only drinking water reverse osmosis membrane in the world that uses aquaporins – nature’s own water filters – to purify water. The result is refreshing, high-quality, and great-tasting water that is purified just as nature intended it.

The post filter removes any remaining traces of taste, odor, and contaminants, and polishes the taste of the final purified water.

The three filters remove particles such as sand, dirt, and other sediments down to 5 microns and it reduces most drinking water contaminants to a high degree, including PFASs, heavy metals, microplastics, bacteria, viruses, dissolved salts, and hardness.

The cartridge replacement intervals are indicative only when the condition is affected by the quality of the water source which may vary.

A red light on the top panel (1, 2, or 3) of the machine will indicate when it is time to change your cartridge.

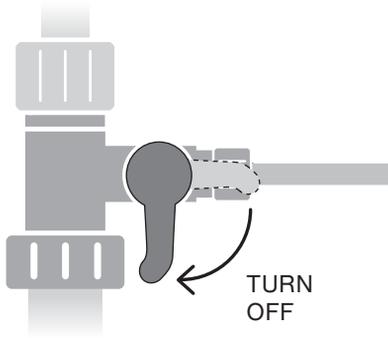


Filter cartridges

Number	Name	Material	Lifetime
1.	Pre-filter	PP cotton + Activated carbon	12 months or 4,500 L
2.	Post-filter	Activated carbon	12 months or 4,500 L
3.	DWRO®	Aquaporin Inside® membrane	24 months or 7,000 L

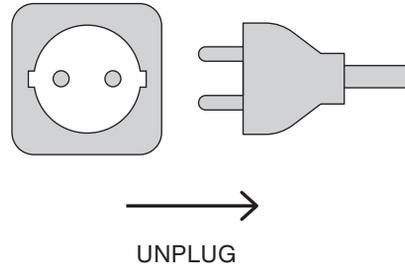
1/7

Close the ball valve.



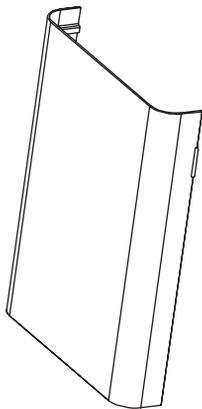
2/7

Unplug the power supply.



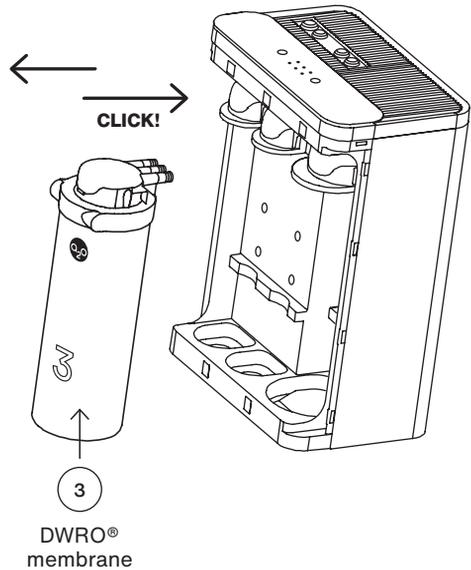
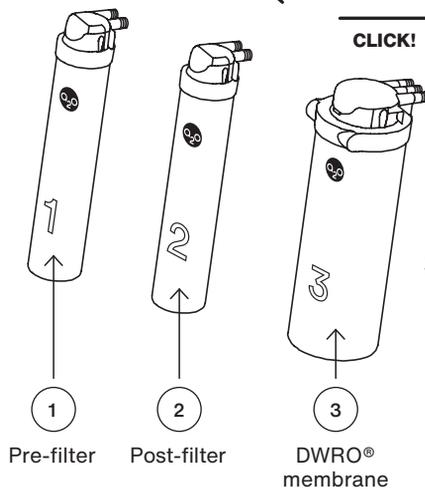
3/7

Remove the cover and identify the cartridge that needs to be replaced.



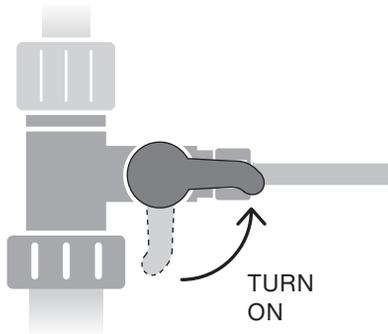
Take out the cartridge that you are replacing.

Insert the new cartridge and tighten to the mark position.



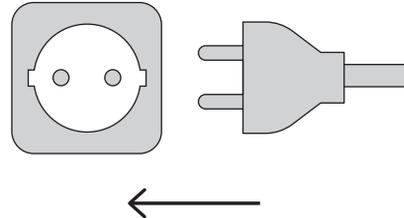
4/7

Once the cartridge has been changed, open the ball valve.



5/7

Plug in the power supply.



6/7

The light on top panel will blink and the system start flushing for 1 min and enters standby.

The filter indicator remains red as filter element reset mode is triggered and needs to be reset.

Press "Select/reset" button to enter reset mode.

Press "Select/reset" button to choose filter to reset.

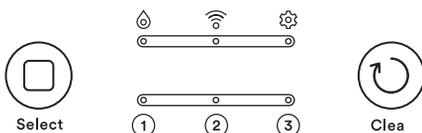
Press and hold the "Select/reset" button for 3 seconds. It will beep once, and the indicator light corresponding to the selected filter element will blink 3 times and turn blue. Exit mode, press "Clean" or wait for 10 seconds.

7/7

Remember to flush before consuming the water!

After replacing the pre- or post-filter, open your faucet and let the water flow for 15 minutes. Note that the first coming out will be black. This is totally normal as some of the activated carbon is washed out.

After replacing the DWRO® membrane, the system must be flushed before consuming the water – note that the first water coming out will be black. As our DWRO® membranes are constantly improving in quality and technology, we advise you to find the updated flushing times at www.aquaporin.com or contact your local dealer.



Maintenance

Machine maintenance

Some components of your system have a limited life span and will need to be replaced. The precise duration will depend on the quality of the local water, the total amount of water consumed, the pattern of usage, and specific characteristics of the water to be treated such as high chlorination or excess hardness, etc. The below maintenance guidelines are indicative. Please consult the local dealer for further information.



Observe: Before performing work on electrical components or opening the housing, it is mandatory that the mains plug be pulled and both the water infeed and the permeate line be closed off in order to guarantee that the system is voltage-free.

Whenever maintenance is performed, the connection lines and the device must be checked for damage.

Recommended maintenance

- Replace filter 1 and 2 at least every 12 months.
- Replace filter 3 approximately every 2 years.
- Sanitize the unit upon commissioning and at least every 12 months depending on use. Also, sanitize each time components in contact with water are accessed, or if no water has been consumed for more than a month.
- You can clean your system using a moist cloth and a mild cleaning agent. To protect the surfaces of the unit, do not use any bleach, solvent, or alcohols.

- Maintenance must be carried out by trained personnel, who must handle the equipment properly, as well as use original spare parts to maintain the characteristics, warranty, certifications, and performance of the equipment and thus ensure the quality of the water dispensed.
- All filter replacements are supplied in individual packaging designed to guarantee hygienic storage and transportation conditions. Exercise precautions to maintain hygiene after removing the filters from their packaging and when handling the various connectors and equipment components.
- Ensure that all joints are kept tightened and that the original hydraulic configuration of the system is kept as recommended.
- If you have any other questions, please consult the local dealer.

Disposal



Procedure: The The A2O Pure, UTS-800 device consists of various materials which need to be disposed of properly. Please contact your contract partner for an expert and environmentally friendly disposal.



Any electronic parts should be disposed of only at authorized recycling centers (2012/19/EU). Observe the applicable national regulations on disposal of electric devices.

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