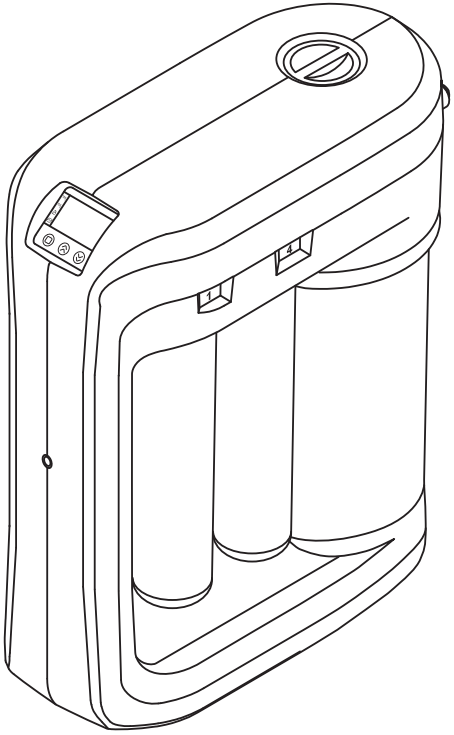
AQUAPHOR®
water filters

Operation manual

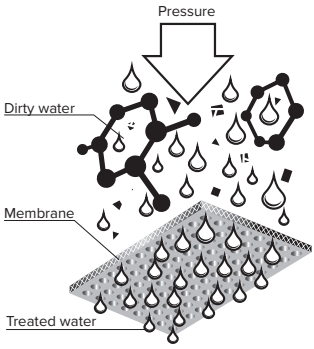


RO-202S PRO
RO-202S PRO EU

REVERSE OSMOSIS SYSTEM

Contents

1. Introduction



Reverse osmosis system Aquaphor RO-202S Pro / RO-202S Pro EU (hereinafter referred to as RO) is manufactured by Aquaphor International OÜ (Estonia).

RO is intended to purge of mechanical and colloidal particles, organic impurities and to remove foreign flavour, odour and colour when post-treating cold drinking water supplied via municipal and local water supply networks (water from artesian boreholes, wells, etc.) to meet the requirements, specified in this Manual.

RO works on the principle of transferring water molecules through a semipermeable membrane by applying an overbalanced osmotic pressure. This pressure increases with increasing water salinity, so the higher the water salinity, the greater water supply pressure is required to keep RO operating.

RO is made of safe, non-toxic materials ensuring that no substances hazardous to human health and the environment are released into the water. RO meets EC hygiene requirements.

2. Specification Data

Overall dimensions (length × height × width):		411 × 486 × 195 mm
Operating pressure:	Maximum 0.63 MPa (6.3 bar / 91.4 psi)	Minimum 0.19 MPa (1.9 bar / 27.6 psi)
	The operating pressure in your home should be tested over a 24 hour period to attain the maximum pressure. If it is above 0.63 MPa (6.3 bar / 91.4 psi), then a pressure regulator is necessary, and will be required.	
IP Rating		IP34
Weight, no more than		12 kg / 26 lbs
Operating temperatures:	Maximum 38 °C (100.4 °F)	Minimum 5 °C (41 °F)
Maximum flow rate membrane cartridge (water temperature +25 °C (77 °F) with a constant pressure of 0.4 MPa (4 bar / 58.02 psi)		15.2 l/h (100 GPD)
Cleaned water to drained water ratio (water temp. no less than +20 °C / 68 °F)		1:2–1:4
pH parameters:	Maximum 10	Minimum 4
Iron:	Maximum 0.3 ppm	
TDS (Total Dissolved Solids):	Maximum 2000 ppm	
Turbidity:	Maximum 1 NTU	
Hardness:	Recommended water hardness should not exceed 350 ppm as $CaCO_3$ (20.5 grains per gallon). The system will operate with hardness over 350 ppm (20.5 gpg), but the membrane cartridge life may be shortened. The addition of a water softener may lengthen the membrane cartridge life.	

Key specifications of the Power supply unit

Input voltage	100-240 V AC
Built-in input plug	CEE 7/16
Output voltage	24 V DC
Output current	1,5 A
Coaxial output connector	Coaxial Ø 2,5 × Ø 5,5 mm
Power lead length, not less than	1.0 m

The Reverse osmosis system Aquaphor RO is only to be used with the power supply unit provided with the RO.

3. Product assembly:

N°	Name			Quantity
1	RO housing assembly (1)			1 pc.
2	Cartridges:			
	2.1	Pre-treatment unit:		
		2.1.1	Pro 1 replaceable filter cartridge (2)	1 pc.
		2.1.2	Pro 2 replaceable filter cartridge (3)	1 pc.
	2.2	Reverse-osmosis membrane unit:		
		2.2.1	Pro 100 replaceable membrane cartridge (4)	1 pc.
	2.3	Water conditioning unit:		
		2.3.1	Pro M replaceable filter cartridge (only for RO-202S Pro) (5)	1 pc.
		2.3.2	Pro HFM replaceable filter cartridge (only for RO-202S Pro EU) (5)	1 pc.
3	Connecting pipes (6)			
	3.1	1/4" tube (d 6.35 mm, L=1.3 m)		1 pc.
	3.2	1/4" tube (d 6.35 mm, L = 1.2 m)		1 pc.
	3.3	1/4" tube (d 6.35 mm, L = 1.0 m)		1 pc.
4	Connecting assembly (7)			1 set
5	Drain clamp (8)			1 set
6	Service plug (9)			1 pc.
7	Power supply unit (10)			1 pc.
8	Tap for treated water (11)			1 set
9	Air-gap device (only for RO-202S Pro EU)			1 pc.
10	Operation manual			1 pc.

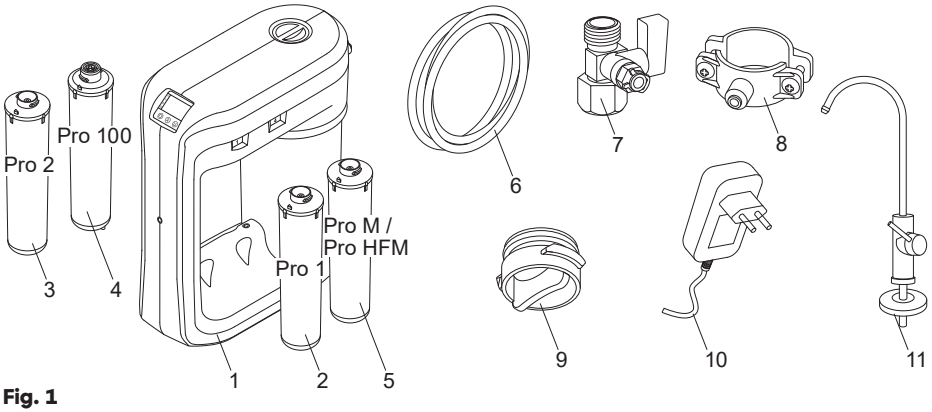


Fig. 1

4. Design and Function of RO

1. The RO housing consists of a top plate, a cover, a stand, a storage tank and a front panel. Four collectors (for removable filter cartridges) and a hydraulic unit are fixed in the top plate. The top plate is covered with a decorative cover, equipped with a handle fixing the cover in its central part. A pump is installed in the lower part of the housing (stand) to increase the water pressure in RO.

RO is equipped with a storage tank for treated water to provide with a desired quantity of the water at any time.

The RO housing is covered with a decorative panel where an electronics unit and control elements are located.

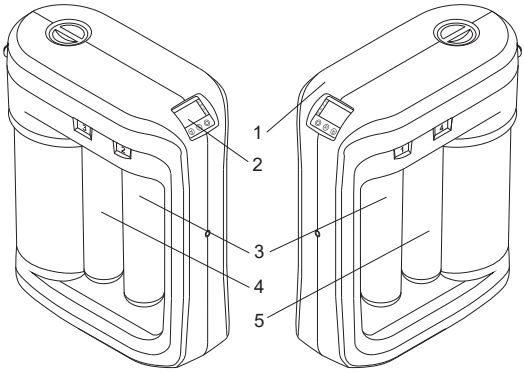


Fig. 2. Main units of RO:

1 – RO housing assembly;
2 – Control unit;
3 – Pre-treatment unit;
4 – Reverse-osmosis membrane unit;
5 – Water conditioning unit.

2. Control unit (2). To display digital values of various parameters, the RO is equipped with a segment LED display with convenient menu navigation (cursor movement + selection).

This model is distinguished by the installed TDS sensors for assessing the quality of filtration, the presence of a flow meter for more accurate determination of the resource of the modules and the ability to configure the necessary operating parameters.

3. Pro 1 and Pro 2 replaceable filter cartridges are part of the **water pre-treatment unit** (2). The water pre-treatment unit is designed to remove impurities from the water such as iron hydroxide and active chlorine that can damage the reverse osmosis membrane.

4. The **reverse osmosis membrane unit** (3) includes a replaceable membrane cartridge. The reverse osmosis membrane unit removes organic and inorganic compounds and salts from water as well softens it.

5. The **water conditioning unit** (4) includes Pro M mineralizing cartridge (only for RO-202S Pro) for improving the water taste, as well as mineralizing the water / a Pro HFM microfiltration mineralizing cartridge. (only for RO-202S Pro EU) The water conditioning unit removes bacteria from the water, including Lamblia cysts*, foreign odours, improves the water taste, as well as mineralizes the water.

ATTENTION! The RO performance depends on the pressure in the water supply system. No proper operation of RO is guaranteed at pressures below 0.9 MPa in the water supply system.

ATTENTION! Air-gap device (included in the RO-202S Pro EU only) must be used in connecting your RO system to the drain pipe (in accordance with EN 1717 and NSF/ANSI 58 requirements).

5. RO Installation

Attention! Only install your RO by a qualified plumber who is certified to perform the installation in accordance with state law.

Locate the appropriate installation place for the faucet and RO. Take care to ensure that the delivery tubes are pulled freely, without over bending. RO must be installed on a flat, even solid surface as installation on an uneven surface may cause vibration or noise. Additionally, RO must be located away from heat sources, such as kitchen ovens, hot water supply pipes, dishwashers or washing machines, or at least isolated from such heat sources.

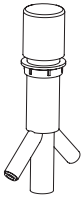
Attention! Air-gap device (included in the RO-202S Pro EU only) must be used in connecting your RO device to the drain pipe.

* Tested on: Escherichia coli 1257, Enterobacter cloacae, Pseudomonas aeruginosa, coliphage f-2, Bac. thuringiensis.

Without the air gap, wastewater could siphon back into the drinking supply. This can happen when a city main is shut off, causing a drain-down of the system with plumbing done improperly.

Please connect drain tube with air-gap device (included in the RO-202S Pro EU only). Please use Fig. 3a to connect your RO.

You may use the same air-gap device as for your dishwasher machine or order special air-gap for RO system. Please contact with service to receive more information.



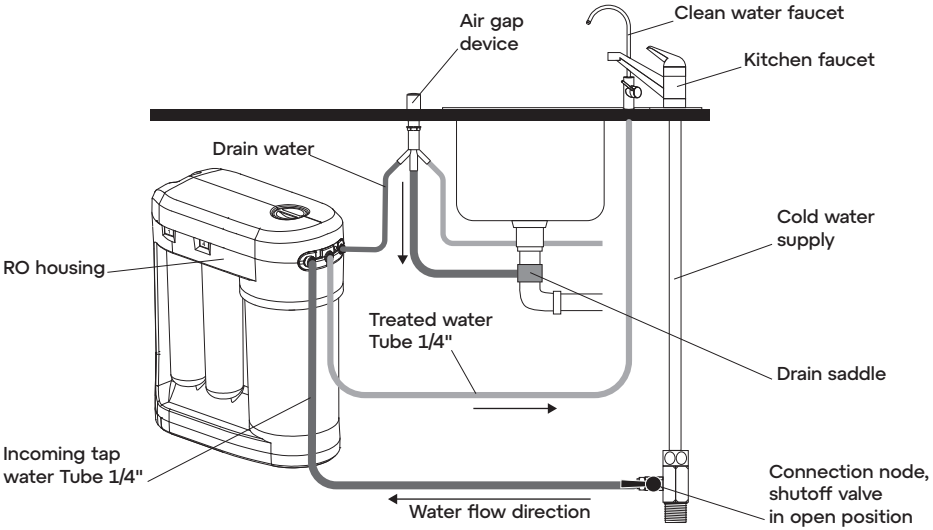


Fig. 3a

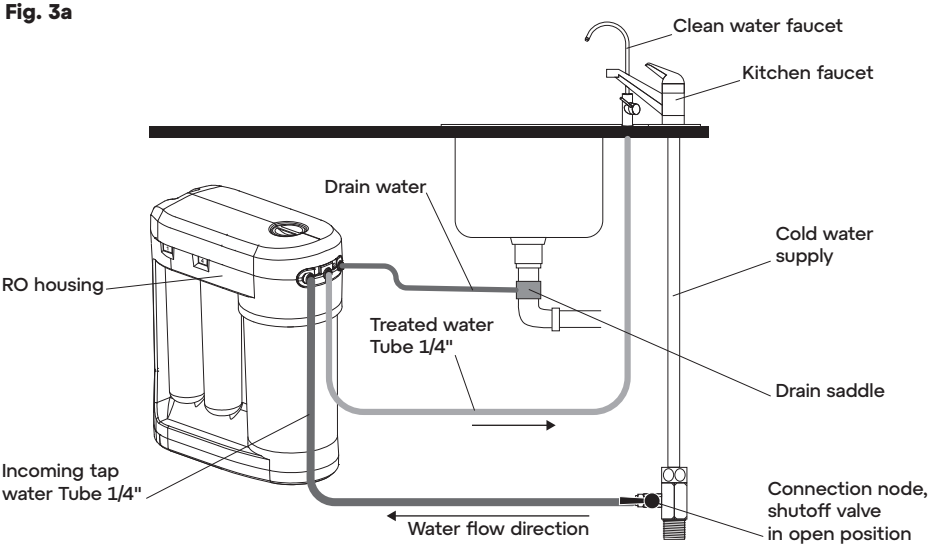


Fig. 3b. Optional RO installation scheme
(only for countries where EN 1717 or NSF/ANSI 58 is not mandatory)

Installation of the connecting assembly*

- Turn water off at the mainline.
- Open the kitchen faucet to relieve pressure in the water supply system.
- Unscrew the clamping nut of the flexible hose from the cold water supply line to the faucet.

ATTENTION! The flexible hose may contain a little water after depressurizing. When disconnecting the flexible hose, use a 200 ml vessels to drain the residual water.

- Screw the clamping nut of the connecting assembly onto the thread of the cold water supply.
- Screw the clamping nut of the flexible hose onto the thread of the connecting assembly.
- Close the inlet cock of the connecting assembly and supply water from the cold water supply line to make sure that the connection is tight.
- Connect the corresponding tube.

ATTENTION! The end of the pipeline must be flat, where the connecting assembly is connected. Do not use excessive force when tightening the clamping nut.

Otherwise, it will damage the gasket.

Connection of tubes (Fig. 5a)

Pull the locking clip (2) off the plastic plug (1). Then install the previously wetted end of the tube (3) into the fitting piece approx. 15 mm up to the stop. Next, put the locking clip (2) back.

Check that the tube is tight. The tube should not be pulled out with a force of 8–10 kgf.

Disconnection of tubes (Fig. 5b)

Pull the locking clip (2) off the plastic plug (1), then pull the tube (3) out by applying pressure on the face of the connecting piece.

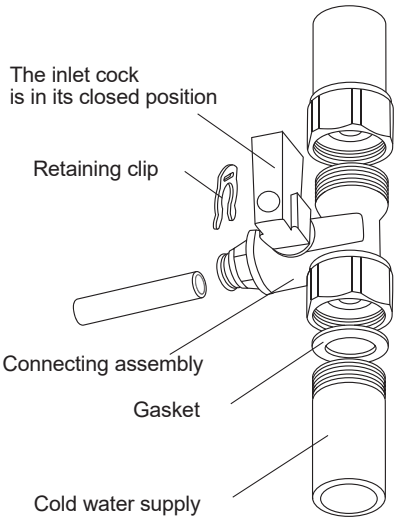


Fig. 4

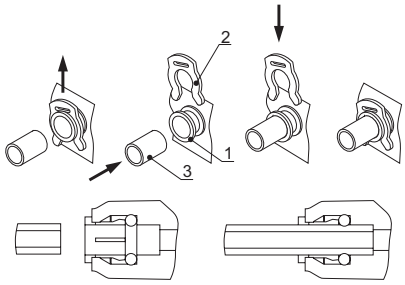


Fig. 5a

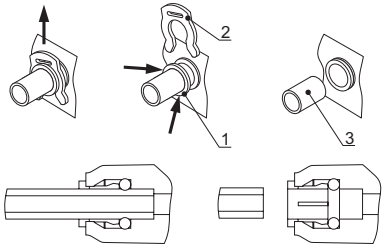


Fig. 5b

* The manufacturer reserves the right to use connecting assemblies and taps of a similar design. If you have any questions, please, contact the service department.

Clean water faucet installation (Fig. 6)

- Drill a hole in the sink (countertop) with a diameter of 12 mm.
- Place the decorative stand with gasket (2) on the threaded faucet bushing (1) and insert the faucet threaded bushing (1) into the faucet hole.
- From the bottom of the sink, put the rubber gasket (3) on the threaded bushing of the faucet and screw on the fixing nut (4).
- Remove the locking clips (2 pieces) from the connector (5).
- Insert the tube from the water purifier into the connector until it stops.
- Place the other end of the connector onto the threaded bushing of the faucet until it stops.
- Fixate the connector with the stopping clip.
- Check the strength of the tube and connector fastening: with a force of 80–100 N, the connector and the tube and should not be pulled out.

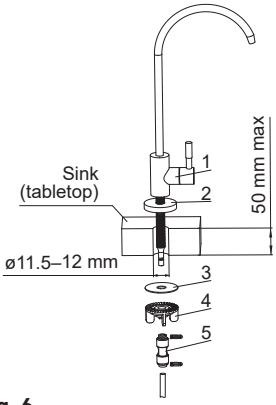


Fig. 6

ATTENTION! When you replace the original tap with a different one, there may be noise when you open it, and clean water flow reduction from the tap may occur.

When you replace the original pipes with the longer ones, there may be noise and clean water flow reduction from the tap.

If the water filter has not been used for a long time, the valves may turn on, making short-term noise. It is not a sign of the system malfunction.

Open the clean water tap fully when you use the water filter, otherwise noise may occur. It is not a sign of the water filter malfunction.

Installation of the drain clamp* (Fig. 7)

- It is recommended to install the clamp on the sink drain upstream the S-trap (the drain clamp fits most drain pipes about 40 mm in diameter).
- Place the part of the clamp with the fitting (4) on the pipe and find the optimal position of the clamp and hole on the pipe.
- Drill a 7 mm hole in the pipe wall in the intended place.
- Remove the cut round part from the gasket (1).
- Remove the protective film (2) from the gasket (1). Attach the gasket (1) on the inside of the clamp so that the hole in the gasket aligns with the hole in the clamp fitting.
- Install the clamp on the pipe, aligning the hole in the fitting with the drilled hole in the pipe, and then tighten the bolts (3). The bolts should be tightened evenly so that the two parts of the clamp are parallel.
- Put the plastic nut on the JG drain tube so that the tube extends from the other side of the nut by at least 20 mm (Fig. 7b).

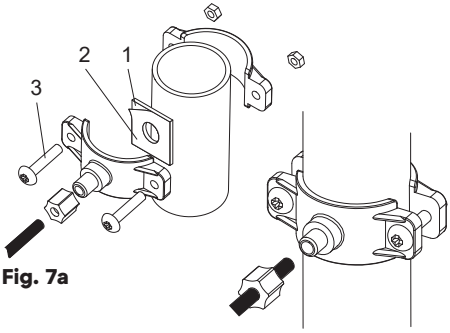


Fig. 7a

Fig. 7b

* The manufacturer reserves the right to use connecting assemblies and taps of a similar design. If you have any questions, please, contact the service department.

- Insert the tube into the drain clamp and screw the nut onto the fitting.

Note. Push the JG tube deeper into the pipe if you are disturbed by the sound of water coming from the drain clamp.

6. Starting RO

Step 1. Connecting inlet tubes

- Connect the inlet tubes according to the diagram shown in Fig. 8.

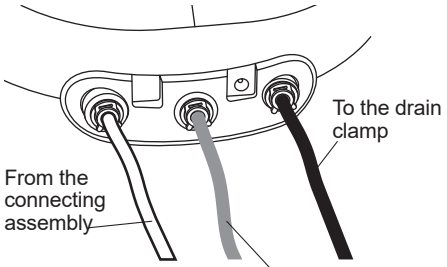


Fig. 8

Step 2. Preparing your RO for use

- Remove the overwrapping film from the cartridges.
- Remove transport plugs (if any) from the cartridges.
- Rinse the O-rings of the cartridge under a water stream.
- The cartridges are inserted into the corres-ponding collectors until they stop and turned clockwise, as shown in Fig. 9a, until a click.
- To remove a cartridge, turn the cartridge counter clockwise, as shown in Fig. 9b, and remove it.
- Install the cartridges as shown in Fig. 10.
- Insert the plug of the power supply into the outlet, and the plug from the power supply into the socket in your RO unit (Fig. 11).

Step 3. Flushing the pre-treatment unit

- Open the treated water tap.
- Turn the inlet cock of the connecting assembly to its open position. The cartridge life indicator lights blink (the light signal is be followed by an audible one).

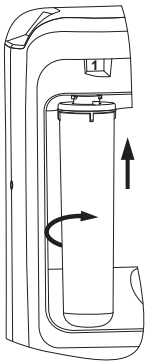


Fig. 9a

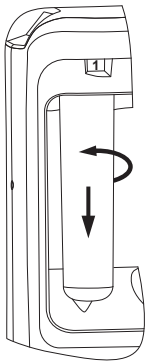


Fig. 9b

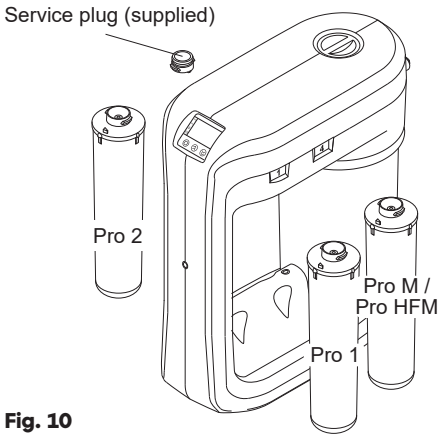


Fig. 10

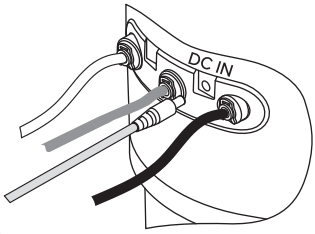


Fig. 11

- To start the flushing mode, move the pointer on the display to the “flush” icon and press the confirmation button (see Appendix “RO Control Unit”, item 7).
- First, air comes out of the system with some noise.
- Make sure the RO connections are tight.

ATTENTION! If leaks are found, immediately turn the inlet cock of the connecting assembly to its closed position and check the connections. Turn the inlet cock of the connecting assembly to its open position again to continue the flushing procedure after the leak is repaired.

- After the flushing procedure is complete, your RO beeps 5 times and switches into the operating mode automatically.
- Turn the inlet cock of the connecting assembly to its closed position and wait when the cartridge life light and sound indication turns off.

Step 4. Flushing the reverse osmosis membrane unit

- Remove the service plug from the slot of the reverse osmosis membrane unit and replace it with the membrane cartridge as shown in Fig. 12.

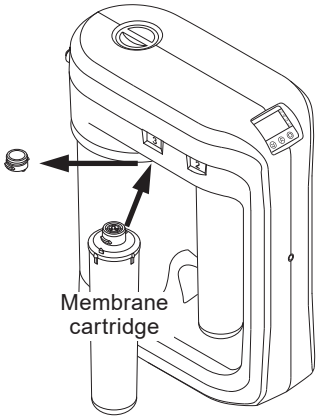


Fig. 12

- Turn the inlet cock of the connecting assembly to its open position. The cartridge life indicator lights blink (the light signal is be followed by an audible one).
- Make sure the RO connections are tight.

ATTENTION! If leaks are found, immediately turn the inlet cock of the connecting assembly to its closed position and check the connections. Turn the inlet cock of the connecting assembly to its open position again to continue the flushing procedure after the leak is repaired.

- Wait for the water to flow from the tap for treated water.
- Let the water through your RO for 1 hour.*
- Close the treated water tap.

Step 5. Flushing the water conditioning unit

- Fill the storage tank with water (the light and sound indication turns off), open the tap for treated water and wait when all the water has drained from the storage tank (a weak water flow from the tap).
- Close the treated water tap.
- Fill and empty the storage tank 2 more times.
- Press and hold the PUSH button for at least 7 seconds. The cartridge life light indication changes from the flashing mode to the constant one, and the audio signal stops.
- Make sure the RO connections are tight.
- Your RO is ready for use once the tank is filled.

ATTENTION! The water is not intended for drinking after flushing.

Periodically check your RO for leaks during the first week of use.

Some noise may occur during the first week of operation of your RO when switching the valve because of air released from the internal cavities of the system. This is not a malfunction.

7. Replacing cartridges

Your RO is equipped with a light and sound indication of cartridge life.

Information about the exhausted resource of modules is displayed on the RO display. The flashing indicator of the resource of the module/modules (accompanied by a sound signal) indicates the module to be replaced.

* The whole flushing procedure of the membrane cartridge takes no more than 24 hours and depends on its storage and transportation conditions.

The indicators of modules that have not exhausted their resource do not flash.

Replacing Pro 1, Pro 2, Pro M/Pro HFM filter cartridges and the membrane cartridge

- Close the inlet cock of the connecting assembly and open the clean water tap. Wait when the cartridge life light and sound indication turns off.
- Remove the overwrapping film from the new cartridges.
- Rinse the O-rings of the new cartridge under a water stream.
- Rotate the used cartridgecounter clockwise and remove it, as shown in Fig. 9b.
- Insert a new cartridge into the corresponding collector until it stops and turn clockwise, as shown in Fig. 9a, until a click.
- Reset the resource of the replaced cartridges, the indicators of which are flashing on the display, by pressing and holding the confirmation button.
- Open the inlet valve and flush the replaced modules according to the corresponding scheme (see steps 3–5).
- For cartridges Pro 1, Pro 2 flush in accordance with step 3 of the section “Starting RO”, for Pro 100 – in accordance with step 4, for Pro M, Pro HFM – in accordance with step 5, when replacing all cartridges – in accordance with steps 3–5.

ATTENTION! Do not disconnect your RO from the power supply when in the flushing mode. Otherwise, the flushing process must be repeated.

8. Storage Tank Maintenance

Empty the tank before use if you have not used the system for more than 2 days.

Empty and refill the tank 3 times for flushing before use if you have not used the system for more than 2 weeks.

Then, you can use the system again.

9. Storage and Transportation Rules

The RO should be stored at +5 to +38 °C, originally packed, in closed and naturally ventilated rooms at a relative humidity not exceeding 80%.

It is forbidden to turn the RO system over, to hit or to expose to other mechanical stresses.

Protect your RO from shocks and falls, as well as do not let water freeze when transporting, storing and using.

Do not expose the membrane cartridge to high or low temperatures and direct sunlight.

ATTENTION! Membrane cartridges come in sealed packaging. It is allowed to store membrane cartridges for no more than 3 days after they are unpacked.

10. Safety

RO is designed to post-treat and soften water from municipal water supply systems that meet sanitary standards.

It is recommended to analyse the source water for compliance with national standards for drinking water when installing RO outside municipal water supply systems.

- The service life of the pre-treatment unit and the reverse osmosis membrane may be reduced if the source water does not meet the requirements of national standards for drinking water.
- It is recommended to install additional water treatment systems (iron removers, softeners, disinfectants, mechanical filters, etc.) if the source water significantly differs from the requirements of national standards for drinking water.
- It is recommended to analyse the treated water for compliance with national standards for drinking water after your RO is installed.
- Further, the treated water should be tested regularly (once a year) to make sure your RO functions properly.

- An additional test is recommended if the taste or smell of the water changes.
- If the test results are unsatisfactory, it is not allowed to drink the water, and you should contact your service provider.
- It is recommended to use RO as a post-treatment unit for microbiologically safe water, although this reverse osmosis system can trap out bacteria and viruses from the source water.
- Do not use the system to treat unknown water without additional disinfection.

Empty and refill the tank 3 times for flushing before use if you have not used your system for more than 2 weeks.

Treated water is not subject to long-term storage. It is recommended to use fresh filtered water.

It is disposed of in accordance with environmental, sanitary and other requirements set forth in national standards for environmental protection and ensuring the sanitary and epidemiological welfare of the population.

Precautions when connecting your RO to the mains

Check that the main voltage matches the parameters specified in this Manual before connecting your RO to the mains. Only use a power supply unit with output characteristics specified in this Manual (24 V ± 5%, at least 1.5 A DC).

Make sure that your RO is protected from freezing, water, direct sunlight, contact with hot objects, including hot water, heating pipes and heating devices before installing. Keep your RO from hitting and falling.

The power cord must not be tensioned when your RO is connected. Make sure that the power cord does not touch surfaces that could damage it.

Do not immerse your RO, as well as the power supply unit, the power cord and the plug of the power cord in water or other liquid, or wash them with running water or in a dishwasher.

To avoid electric shock, do not touch your RO connected to power with wet hands, as well as the power supply unit, the power cord and the plug.

Keep your RO housing clean. Disconnect your RO from the power supply and wipe, if necessary, with a dry cloth.

Do not disassemble your RO nor open its housing!

Do not use the RO and the power supply in case of malfunction or damage to the cord. Do not repair the device yourself. First disconnect the power supply from the mains, then disconnect it from the RO if any malfunction is detected. It is recommended to contact your service provider.

11. Terms of Service and Warranties

Aquaphor Water Filters products are backed by some of the most comprehensive warranties in the industry. Aquaphor warrants that the Aquaphor water filtration system shall be free from defects in material and workman ship under normal use and service.

Aquaphor Reverse Osmosis System, Model RO-202S Pro / RO-202S Pro EU – Two Year Warranty from the date of purchase. This does not apply, however, to consumable filters.

Exclusions and Limitations

1. Aquaphor warrants its products to be free from manufacturing defects under normal use and service. This warranty is extended only to the ORIGINAL PURCHASER.
2. Aquaphor obligations under this warranty are limited to repairs or replacement, at Aquaphor's option, of products or parts found to be defective, provided that such products were properly installed and used in accordance with instructions. Aquaphor reserves the right to make such inspections as may be necessary in order to determine the cause of the defect. Aquaphor will not charge for labor or parts in connection with warranty repairs for the first full year from date of purchase on all products except those that may be subject to commercial use limitations.
3. Aquaphor is not responsible for the cost of removal, return (shipping) and/or reinstallation of products.

This warranty does NOT apply to:

- Damage or loss which occurs during shipment.
- Damage or loss sustained through any natural or man-made causes beyond the control of Aquaphor, including but not limited to fire, earthquake, floods, etc.
- Damage or loss resulting from sediments or foreign matter contained in a water system.
- Damage or loss resulting from negligent or improper installation including installation of a unit in a harsh or hazardous environment.

Service life (operating time) of replaceable filtering cartridges:

Cartridge	Service life (operating time)
Pre-treatment unit	
Pro 1, Pro 2	up to 6 months[1]
Reverse-osmosis membrane unit	
Pro 100	1.5–2 years[2]
Water conditioning unit	
Pro M Pro HFM	6 months

The data are based on the consumption of 10–12 litres of drinking water per day by a family of 3–4 people.

[1] The service life (operating time) of the water pre-treatment cartridges may vary depending on the amount of impurities in the source water. The service life (operating time) of the cartridges is indicated for water that meets sanitary standards. Pro 1 and Pro 2 replaceable filter cartridges must be changed every 1–3 months if water entering your RO does not meet sanitary standards (with a high content of mechanical impurities). The RO light and sound indication is configured to work with water that meets sanitary standards.

[2] The service life of the membrane cartridge directly depends on the performance of the pre-treatment cartridges. Please, replace exhausted filter cartridges in a timely manner.

- Damage or loss resulting from removal, improper repair, modification of the product, or improper maintenance including damage caused by chlorine or chlorine related products.
- Damage or loss resulting from acts which are not the fault of Aquaphor or which the Product is not specified to tolerate.

4. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

THIS WRITTEN WARRANTY IS THE ONLY WARRANTY MADE BY AQUAPHOR. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY SHALL BE THE EXCLUSIVE REMEDY AVAILABLE TO THE PURCHASER.

AQUAPHOR SHALL NOT BE RESPONSIBLE FOR LOSS OF USE OF THE PRODUCT OR FOR OTHER INCIDENTAL, SPECIAL, FOR CONSEQUENTIAL DAMAGES OR EXPENSES INCURRED BY THE PURCHASER OR FOR LABOR OR OTHER COSTS DUE TO INSTALLATION OR REMOVAL OR COSTS OF REPAIRS BY OTHERS, OR FOR ANY OTHER EXPENSE NOT SPECIFICALLY STATED ABOVE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE.

LAW, ANY IMPLIED WARRANTIES, INCLUDING THAT OF MERCHANTABILITY, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU.

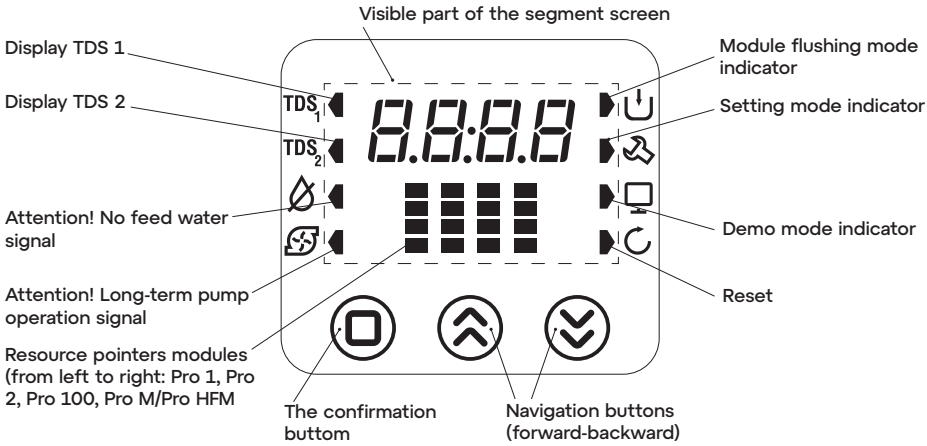
If you have any issue with the operation of your RO, please, contact the seller or the manufacturer.

Fault table

Malfunction	Cause	Elimination method
No treated water or it is not enough. The storage tank is filled slowly or is not at all	The replaceable cartridges of the pre-treatment unit are clogged	Replace the cartridges of the pre-treatment unit
	The replaceable membrane cartridge is clogged	Replace the replaceable membrane cartridge
	The replaceable cartridge of the water conditioning unit is clogged	Replace the replaceable cartridge of the water conditioning unit
	The power supply plug is not plugged into the outlet	Insert the plug of the power supply into a power outlet
	The power supply plug is not plugged into the coaxial connector of the RO	Insert the power supply plug into the coaxial connector of the RO
	The inlet cock of the connecting assembly is closed	Open the inlet cock of the connecting assembly
Water flows slowly from the tap of treated water	The replaceable module of the water conditioning unit is clogged	Replace the replaceable cartridge of the water conditioning unit
It is recommended to contact your service provider for any other malfunctions		

Appendix: RO Control Unit

Appearance of the indicator panel



Indication algorithm

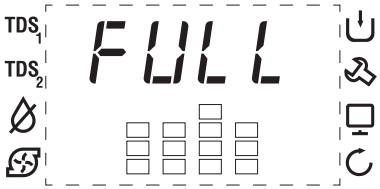
The indication element (LCD display) operates in the following modes:

1. Standby mode (full tank)

The mode is active when filtration is complete, the clean water tank is full and the pump is stopped.

The display shows:

- the inscription “**FULL**”;
- the state of the modules.

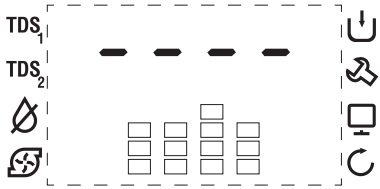


2. Tank filling mode

The mode is active during the pump operation and filling of clean water into the storage tank.

The display shows:

- running line;
- module status.



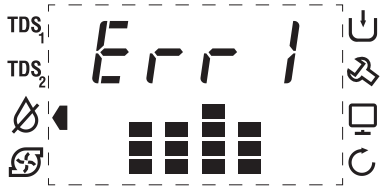
3. “No pressure at the input” mode

The mode is active when there is no pressure in the supply pipeline.

The display shows:

- “**Err1**” inscription;
- the error indicator is displayed;
- the state of the modules.

Accompanied by an intermittent sound signal.



4. “No pump shutdown” mode

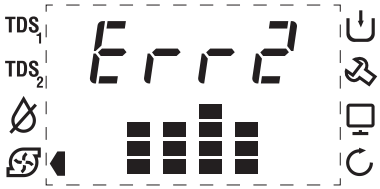
The mode is active when the pump operates for more than the set time, which indicates deviations in the system operation.

The display shows:

- “Err2” inscription;
- the error indicator is displayed;
- the resource status of the modules.

Accompanied by an intermittent sound signal.

The operation of the water purifier in this mode is blocked.

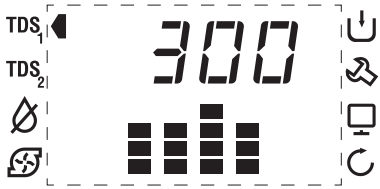


5. Input water quality display mode (TDS1)*

The mode is activated by pressing the confirmation button 1 time.

The display shows:

- TDS1 sensor readings;
- module resource status.

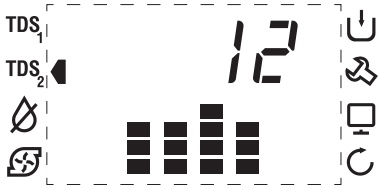


6. Display mode of water quality at the outlet Pro 100 (TDS2)*

The mode is activated by pressing the confirmation button 2 times.

The display shows:

- TDS2 sensor readings;
- resource status of the modules.

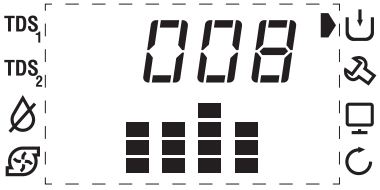


7. Flushing mode

To activate the mode, use the navigation buttons to move the pointer to the “Flush” icon and press the confirmation button.

The display shows:

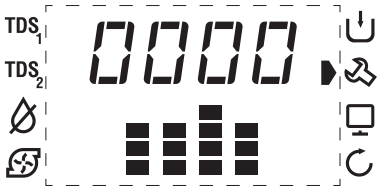
- The flushing indicator is displayed;
- The time from the start of flushing (units of measurement are seconds);
- The resource status of the modules.



* Serves to assess the degree of purification by comparing TDS1 and TDS2.

8. Setup mode

Used by service technicians. The display shows:



9. Module resource reset mode

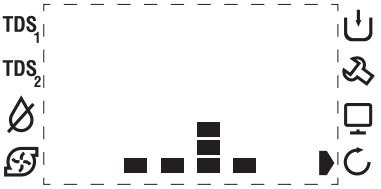
The mode is activated automatically

when the module resource has expired.

The display shows:

- flashing indicators of modules whose resource has expired (accompanied by a sound signal);
- indicators of modules whose resource has not expired do not blink.

To reset the resource of modules whose indicators are blinking, use the navigation buttons to move the pointer to the “Reset” icon and press the confirmation button.



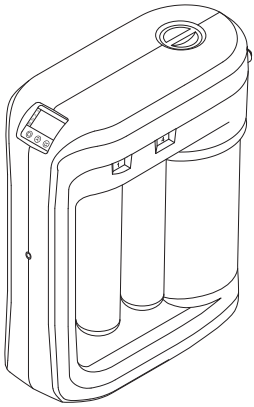
AQUAPHOR®
water filters

Aquaphor Reverse Osmosis System Model:
1 – RO-202S Pro
2 – RO-202S Pro EU

Manufacturer: Aquaphor International OÜ
L. Tolstoi 2A, Sillamäe, Estonia, 40231.
www.aquaphor.com

The manufacturer reserves the right to make improvements to the design of the RO-202S Pro without being mentioned in this Manual.

The model number, date of manufacture and quality control are indicated on the product's serial number label.



AQUAPHOR®

RO-202S Pro
RO-202S Pro EU

24V ⎓ , 5 Amax
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