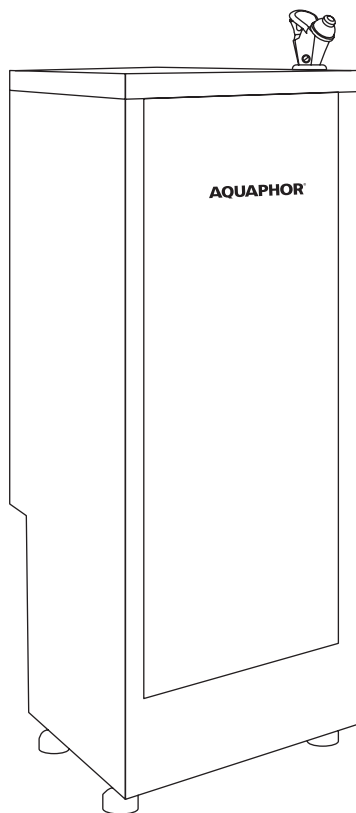


AQUAPHOR[®]

water filters

OPERATION MANUAL



DRINKING FOUNTAIN AQUAPHOR
model Crystal ECO-80-2

1. INTRODUCTION

The Drinking Fountain Aquaphor (hereinafter referred to as the Fountain) was manufactured by Aquaphor International OÜ (Estonia, EU).

The Fountain is designed for post-treatment and distribution of drinking tap water and can be installed in industrial, household, and administrative premises, in schools and other educational institutions, as well as in crowded places where there is a need for drinking water supply.

The Fountain materials are safe, non-toxic and do not emit substances hazardous to human health and the environment into the water. The Fountain complies with hygienic requirements.

2. SPECIFICATION DATA

Replacement filter cartridges	K3, K7, K7B
Service life (operating time) of replacement filter cartridges	8000 L*
Overall dimensions	330 × 300 × 840 mm
Weight without water, no more than	12.5 kg
Working water pressure	0.63 MPa (6.3 bar)
Filtered water temperature	+5...+38 °C
Recommended filtration rate	2.5 L/min
* Service life of the cartridges may vary depending on the water quality.	

3. SCOPE OF DELIVERY (see installation diagram)

Drinking Fountain assembly (with supply pipes)	1 pc.
Connecting assembly (2)	1 pc.
Drinking faucet (5) with gasket kit (6–11)	1 pc.
Door key	1 pc.
Cork	1 pc.
Corrugated PVC hose (18)	1 pc.
Self-tapping screw	2 pcs.
Dowel	2 pcs.
Operation manual	1 pc.
Packing kit	1 pc.

The installation diagram of the Fountain is shown in Fig. 1.

Outside, in the upper part of the body (1) of the Fountain a metal bath (21) with a drain mesh (22), as well as a drinking faucet (5) are installed. The Fountain door is equipped with a lock.

Inside the housing made of stainless steel, a three-stage water purification system by Aquaphor is installed, consisting of a block of collectors (13) and three replacement filter cartridges (14, 15, 16).

The water coming from the drinking water supply network is filtered in the water purification system, after which it is supplied to the drinking faucet (5) and, when the button is pressed, is given to the consumer.

Excess water is drained from the bath (21) through the holes in the drain mesh (22) to the sewer through a S-trap (17) and a corrugated PVC hose (18).

INSTALLATION DIAGRAM

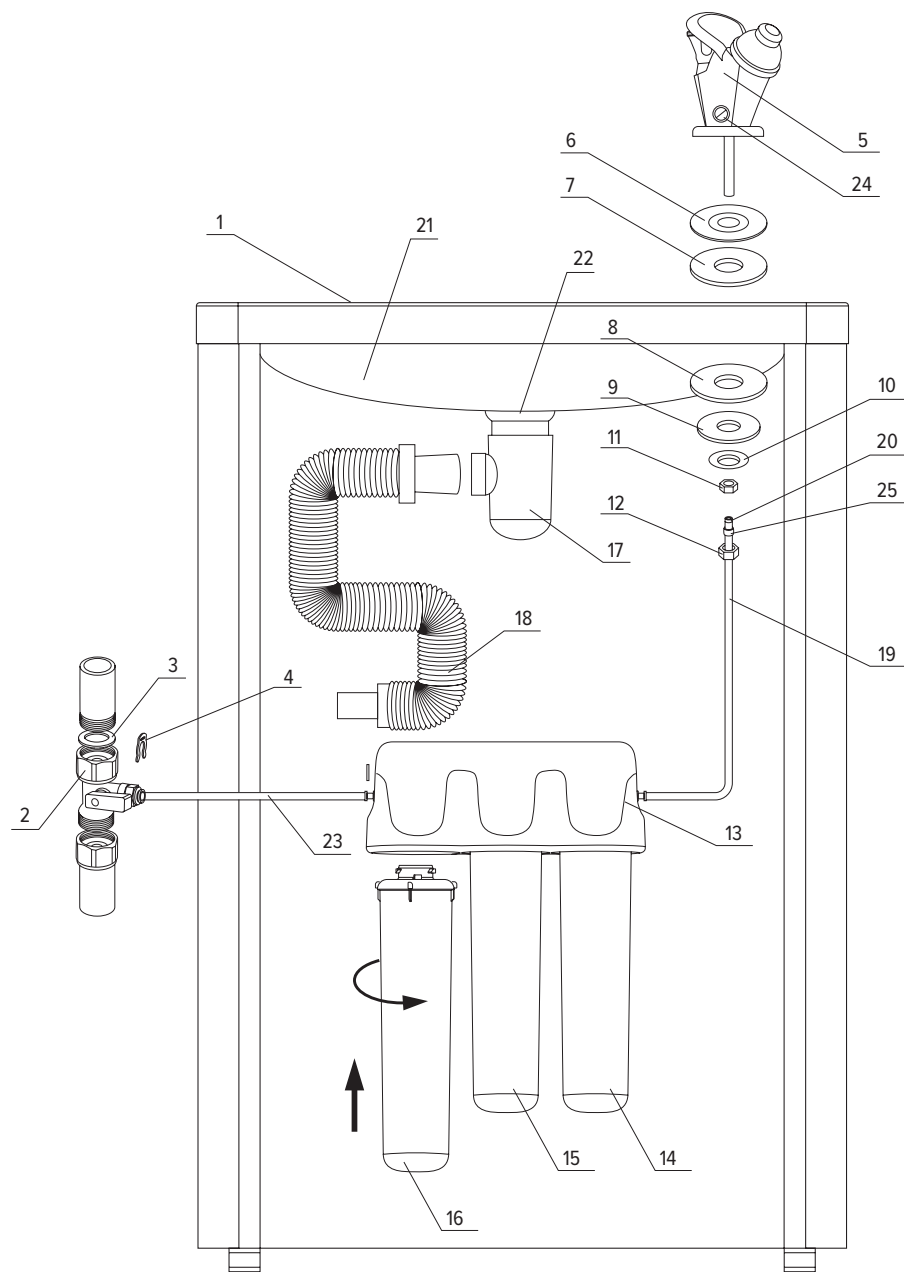


Fig. 1

4. INSTALLATION AND CONNECTION OF THE FOUNTAIN

Attention! Before installing the Fountain, it is necessary to measure the pressure and, if it exceeds 0.63 MPa (6.3 bar), install a pressure regulator with the function of operating in a non-flow mode (not included in the delivery set).

Selection of an installation site

- The Fountain should be installed on a flat, horizontal, solid surface. If the surface is not flat, level the Fountain horizontally using the adjustable legs.
- If necessary, the Fountain can be attached to the wall using self-tapping screws through the mounting holes (Ø6.5 mm) available in the back (2 holes) of the body panel.
- Install the Fountain so that it is protected from direct sunlight. Make sure that there are no heaters near the Fountain. The distance between the product and household appliances (dishwasher, washing machine) must be at least 20 cm. Keep it from freezing.
- Determine a convenient place for installing the connection assembly (2) to the water supply system (see Fig. 1. Installation diagram). Please note that the connecting tubes pass freely, without kinks. The free sections of the pipes must be secured so that they cannot be damaged or pulled out of the connections by foreign objects.

Installation of the connecting assembly (Fig. 2)*

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.

In the event of any mechanical damage to the connecting assembly due to improper installation and use, claims will not be accepted.

- Shut off the cold water line and relieve excess pressure;
- Make sure that there is a sealing gasket (3) in the clamping nut of the connecting assembly (2);
- Connect the connecting assembly (2) to the pipeline. If necessary, use thread seal tape to seal the external thread of the 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 (no leaks);
- Pull the retaining clip (4) out from under the plastic sleeve of the connecting assembly (2);
- Insert the pre-moistened end of the tube (23) into the plastic sleeve of the connecting assembly (2) until it stops about 15 mm deep and house the clip (4);
- Check the tightness of the tube (23) fastening: with a force of 80–100 N, the tube should not be pulled out.

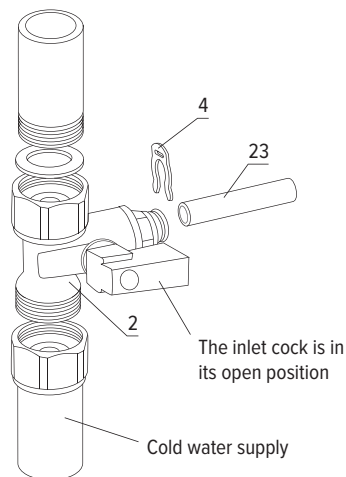


Fig. 2

Installation of a drinking faucet (Fig. 3)

Attention: Only the drinking faucet (5) included in the scope of delivery may be used. The use of other taps releases the manufacturer from liability for possible consequences.

- Unscrew the clamping nut (12) from the shank of the faucet (5).
- Place the decorative plate (6) and the large rubber seal (7) on the threaded shank of the faucet (5) and insert the faucet into the hole in the top panel of the housing (1).
- Place rubber (8), plastic (9) and metal (10) lock washers on the threaded shank under the panel and screw on the fixing nut (11) until tight (you can use a 14 mm pipe wrench).
- Push the clamping nut (12) onto the tube (19).
- Place the plastic ring (25) on the end of the tube and press in the plastic sleeve (20). Screw the clamping nut (12) onto the faucet shank (5) until tight.

* 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.

- Check the tightness of the tube (19). With a force of 80–100 N, the tube (19) must not be pulled out.

Connect the water purification system:

- Insert the free end of the tube from the drinking faucet into the block of collectors (13), focusing on the “exit” arrow, secure the tube with a locking clip.
- Take the tube without the pressed sleeve. Moisten the end of the tube with water and insert it all the way into the block of collectors (13), focusing on the “inlet” arrow, and secure with a locking clip.
- Removing the locking clip, insert the inlet pipe (23) into the connecting assembly (2) until it stops. Install the clip in place.
- Check the tightness of the tubes. With a force of 80–100 N, they should not be pulled out.
- Open the cold water tap.
- Open the tap on the connecting assembly (2). Adjust the water pressure.

After connecting the Fountain, adjust the drinking faucet, for this, using the screw (24) (central screw) located at the base of the faucet, adjust the height of the spout.

Drain connection:

- Screw the corrugated PVC hose (18) to the S-trap (17) under the bath (21).
- Connect the free end of the hose to the drain (sewer line). The diameter of the drain outlet must be equal 30 mm (for other drain outlet sizes, use an adapter*).
- Check the tightness of the connection.

CAUTION!

It is not recommended to carry out work on connecting the Fountain to the water supply network on your own. This work must be carried out by a specialist authorized to carry out this type of work.

The manufacturer is not responsible for the improper quality of work on connecting the Fountain to the water supply network, as well as for the result of this work. Responsibility for the shortcomings of this work, as well as for causing harm to the health or property of the consumer or other persons as a result of these shortcomings, is borne by the performer of this work.

5. AFTER INSTALLING AND CONNECTING THE FOUNTAIN:

- Open the cold water line, make sure that the water purifier connections are tight.
- Open the drinking faucet (5).
- Using the connecting assembly unit (2) (move the regulator to the open position), adjust the water flow in accordance with the recommended filtration rate of the water purifier system.
- Pass water through the water purifier for 5 minutes.
- Close the drinking faucet (5) and let the water purifier stand for 5 minutes.
- Then run the water through the water purifier again for 5 minutes.
- Close the drinking faucet (5).
- Make sure the connections are tight.
- The water purifier system is ready for operation.

6. OPERATION OF THE WATER PURIFIER

Replacement filter cartridges are initially installed in your Fountain in accordance with the model you have chosen. Replace the cartridges in your water purifier in a timely manner.

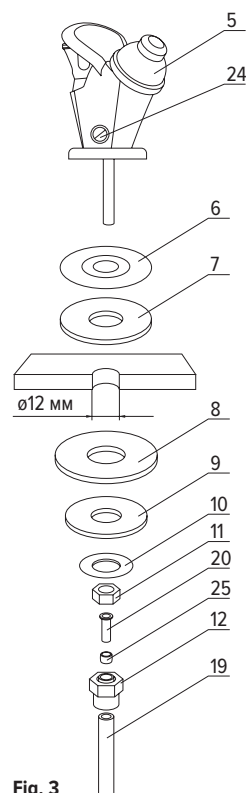


Fig. 3

* The adapter is not included and must be purchased separately.

Replacing filter cartridges:

- Close water before the water purifier fountain and open the drinking faucet (5) to discharge pressure.
- Rotate the cartridge counterclockwise to remove it (Fig. 4).
- Remove shrink wrap film from the new cartridge.
- Insert the new cartridge into the housing to a stop and, pressing it slightly, rotate the cartridge clockwise to a click (Fig. 5).

Pay attention to the order in which the cartridges are installed. The positioning of the cartridges in the water purifier system is shown in fig. 5. – then follow the steps from the section “After installing and connecting the Fountain”.

Hygiene treatment of the Fountain

To maintain the cleanliness and sterility of the Fountain, it is necessary to treat the external surfaces, the bath (21) and the drinking faucet (5) at least once a week with a 3-5% aqueous solution of baking soda, followed by rinsing with warm water.

NOTE!

If it is known that the Fountain will not be used for a day or more (for example, when leaving on holidays and vacations), it must be disconnected from the cold water main (the inlet tap is closed).

If you have not used the Fountain for more than a week, run water through it for 5 minutes first.

When transporting, storing and using the Fountain, protect it from bumps and falls, as well as from water freezing in it.

If the incoming water has a high hardness (more than 19.6 dH / 350 ppm), then after softening it may have a slight salty taste. This is due to the exchange of calcium ions for sodium ions, is not a consequence of a malfunction of the water purifier and does not harm your health.

If you use the model Crystal ECO-80-2, when treating hard water, then a white precipitate or a surface film of hardness salts may appear in the filtered water. This is not due to a malfunction of the water purifier system.

If the ambient temperature during operation of the water purifier has reached 38 C or more (the maximum operating temperature of the product), it must be disconnected from the cold water line until the temperature drops.

7. SERVICE LIFE AND GUARANTEES

The warranty period of operation of the Fountain (excluding replacement filter cartridges) is 2 years from the date of sale to the consumer through a retail network. The manufacturer is released from warranty obligations if this manual with the dates of production and / or sale is lost and there are no other ways to determine the service life of the product.

The service life of the Drinking Fountain (excluding replacement filter cartridges) is 5 years* from the date of manufacture**. At the end of its service life, the water purifier must be replaced.***

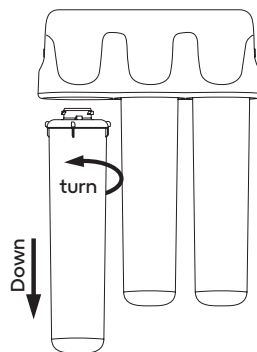


Fig. 4

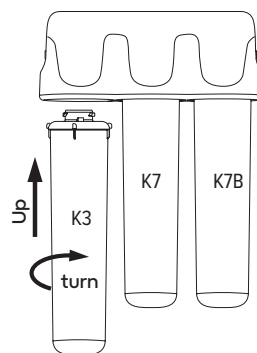


Fig. 5

* Regardless of the operation starting date.

** Manufacturing date is the date in the format DD.MM.YYYY shown by the manufacturer on the label placed on the back of the housing.

*** Use of the water purifier at the end of its useful life may result in personal injury or property damage to the user or other persons and should be discontinued.

Service life (resource) of replacement filter cartridges in combination:

K3, K7, K7B – 8 000 liters*, but not more than 12 months.

The service life (resource) of the replacement filter cartridges included in the set is calculated from the date of sale of the Fountain to the consumer through a retail network.

The date of sale of the Fountain (with replacement filter cartridges) is determined by the store's stamp in this manual or a cash receipt. If the date of sale of the Fountain cannot be determined, the service life of replacement filter cartridges is calculated from the date of their production.

The shelf life of the water purifier Fountain of drinking water (excluding replacement filter cartridges) before the start of operation is 3 years at a temperature of +5 to +38 °C, without breaking the packaging.

The manufacturer is released from liability in the following cases:

- violation by the consumer of the rules of installation (installation) of the product set forth in this manual;
- if the replacement filter cartridges that have exhausted their resource have not been replaced in a timely manner;
- operation of the water purifier in excess of the limits established by the technical requirements for the operating conditions of the product (see this manual).

If you have complaints about the operation of the water purifier, you should contact the seller or the manufacturer. Claims will not be accepted for water purifiers that have external damage.

8. POSSIBLE PROBLEMS AND SOLUTIONS

Malfunction	Test point	Standard Solutions
Water does not flow	1. Is the inlet cock of the connecting assembly closed? 2. Are the tubes bent? 3. Are cartridges clogged (cartridges resource exhausted)?	1. Open the inlet cock of the connecting assembly. 2. Eliminate the bend in the tubes. 3. Replace filter cartridges
Water does not flow well	1. Are cartridges clogged (cartridges resource exhausted)? 2. Is the low pressure in the water supply system? 3. Is the drinking faucet out of adjustment? 4. Are the tubes bent? 5. Is the inlet cock of the connecting assembly out of adjustment?	1. Replace filter cartridges. 2. Contact the service department. 3. Adjust the jet height on the drinking faucet (page 7). 4. Eliminate the bend in the tubes. 5. Adjust the inlet cock of the connecting assembly.
There is a loud, unusual noise	1. Is the product placed on an unstable, non-horizontal surface? 2. Is the product placed against a wall? 3. Are there any objects behind the product?	1. With a firm, level surface, level the Fountain horizontally using the adjustable legs. 2. Move the product 10 cm away from the wall. 3. Remove objects from behind the product

* The resource of the set of replaceable cartridges is set for water filtration that meets the current sanitary standards. The service life of a set of replacement cartridges may vary depending on the quality of the water (hardness, amount of impurities, etc.).

AQUAPHOR®

Manufacturer:

Aquaphor International OÜ, L. Tolstoi 2A, Sillamäe, Estonia, 40231, sales@aquaphor.com.

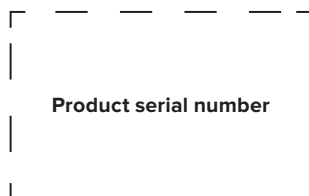
www.aquaphor.com

The manufacturer reserves the right to introduce into the design of the Fountain improvements without reflecting them in this manual.

Drinking Fountain Aquaphor model Crystal ECO-80-2

The date of manufacture and quality control is indicated on the product serial number label.

The serial number of your system is indicated on the sticker below.



Sale Date / Store Stamp