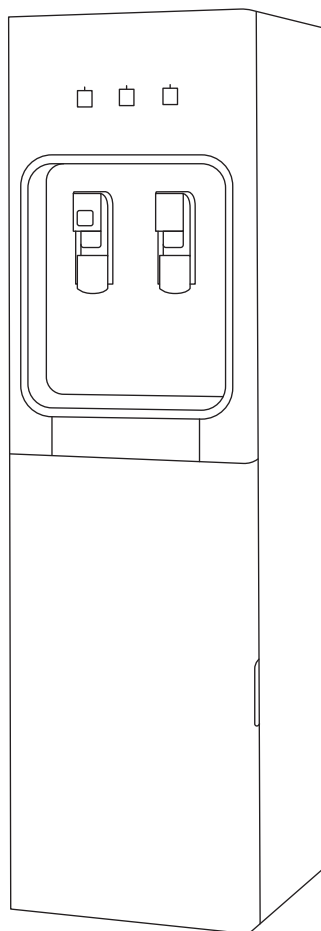




## INSTRUCTION MANUAL

### **REVERSE OSMOSIS WATER PURIFIER & DISPENSER**

W3101-2F RO PRO 100



Please read this manual carefully before using.

Thank you for choosing an Aquaphor water dispenser!

Aquaphor is a high-tech company that focuses on the research and production of water purification equipment. Our dispensers are designed to provide you with a steady supply of clean, fresh, and safe drinking water—helping you look after your family's health every day.

Before using your new dispenser, please take a few minutes to read this manual. It will help you use the machine correctly and get the best performance from it, so you can always enjoy high-quality drinking water.

If you have any issues, questions, or suggestions, don't hesitate to reach out to your local distributor or our after-sales service team.

## 1. USE TO OUR CUSTOMERS

Thanks for choosing our product AQUAPHOR W3101-2F. In order to use and maintain this product correctly, please read the manual carefully before using. Keep the manual properly.

1. This is a vertical water dispenser, please place it on the ground firmly to avoid falling.
2. Operation conditions:
  - Water source: municipal tap water
  - Feed water pressure: 0.1 MPa ~ 0.4MPa
  - Feed water temperature: 5-38 °C
  - Altitude: <1500 meter
3. Check the product from time to time to see if there is any leakage on the connections or any creepage on the wires. If the product fails, please cut off the water and power supply immediately, and contact your dealer.
4. If this product won't be used for a long time, cut off water and power supply. If it hasn't been used for more than 3 days, drain off all the remaining water in tanks and flush the system for more than 5 minutes before putting it into use again.
5. This product is strictly forbidden to be operated by children and is designed for indoor use only. Do not use it in an explosive environment.

6. Every machine will be going through a water leakage test before packing. It is normal to have residual water stains.
7. Installation and maintenance should be performed by a professional. It's necessary to follow this instruction manual strictly, otherwise our company will not be responsible for any failure or consequence.

## 2. PRODUCT FEATURE INTRODUCTION

This machine is a fully automatic water dispenser and direct-drink system, equipped with an advanced Reverse Osmosis (RO) filtration unit. Once installed, users simply need to connect it to a water source and plug in the power supply—no further intervention is required. The system will then automatically begin producing purified water.

Using cutting-edge RO membrane technology, the machine operates purely on physical filtration. No chemicals are added, and no chemical changes or reactions occur during the purification process. The result is clean, safe drinking water that is ready for immediate consumption.

This series of drinking water dispensers combines elegant design with modern functionality, setting a new standard in safe and energy-efficient hydration. Engineered for high performance, the dispensers provide a generous supply of hot water while ensuring all water-contact components are made from food-grade materials—making drinking water safer and healthier.

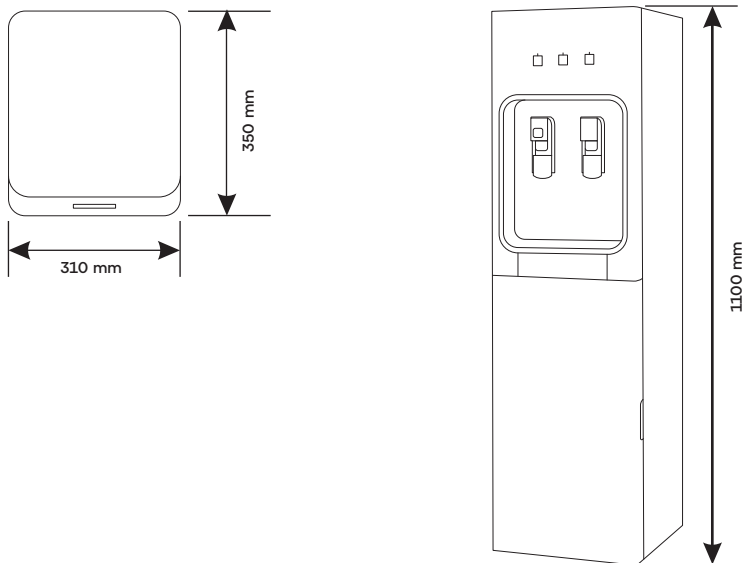
Using municipal tap water as the source, the system purifies it through a Reverse Osmosis (RO) process. The resulting water meets the standards outlined in the "Health Safety and Functional Evaluation Specifications for Drinking Water Quality Processors – Reverse Osmosis Treatment Devices (2001)".

Ideal for a wide range of settings — including offices, schools, hotels, entertainment venues, and public institutions—this dispenser series offers a reliable and sophisticated solution for clean drinking water.

### Product Introduction

Water Dispenser with hot and cold water.  
Recommended installation places: office, club, hotel, airport, train station, etc.

## Product Dimension



## Water treatment process

Feed water → Pro1 → Pro 100 → Pro M → Output water

## Main function

| Filter Cartridges     |         | Function                                                       |
|-----------------------|---------|----------------------------------------------------------------|
| 1 <sup>s</sup> Stage  | Pro 1   | Removes organics, chlorine, odor, improves color and turbidity |
| 2 <sup>nd</sup> Stage | Pro 100 | Remove bacteria, heavy metals, dissolved matters and salinity  |
| 3 <sup>rd</sup> Stage | Pro M   | Mineralizes water                                              |
| Output Water          |         | Hot / Cold                                                     |

## 3. PACKING LIST

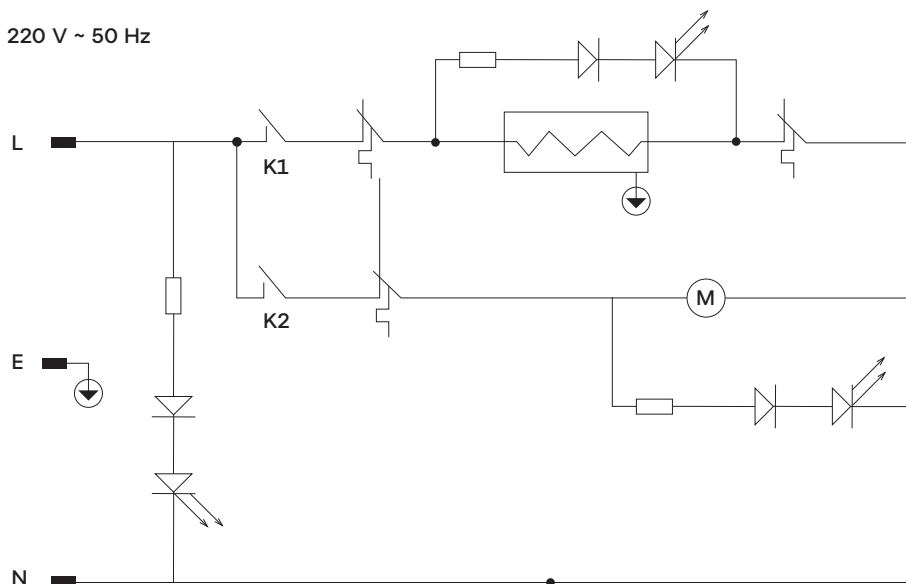
| Name                  | Quantity | Name                                           | Quantity |
|-----------------------|----------|------------------------------------------------|----------|
| Main Body             | 1 set    | Additional cartridge for leak protection valve | 1 pc.    |
| Pro 1                 | 1 pc.    | Tube 1/4", 4 m                                 | 1 pc.    |
| Pro 100 (RO Membrane) | 1 pc.    | Flush plug                                     | 1 pc.    |
| Pro M                 | 1 pc.    | Drain clamp                                    | 1 set    |
| Connecting node       | 1 pc.    | Instruction manual                             | 1 pc.    |

## 4. TECHNICAL PARAMETERS

|                          |                                           |
|--------------------------|-------------------------------------------|
| Model Type               | W3101-2F (2 L hot tank / 3.2 L cold tank) |
| Inlet water pressure     | 0.1 MPa ~0.4 MPa                          |
| Inlet water temperature  | 5-38 °C                                   |
| Voltage and frequency    | 220-240V, 50Hz                            |
| Rated power              | 540W                                      |
| Heating power            | 420W                                      |
| Cooling power            | 90W                                       |
| Purified water flow      | 15.6 L/Hour                               |
| Hot water temperature    | 85-95 °C                                  |
| Hot water tank capacity  | 2 L                                       |
| Cold water temperature   | 6-10 °C                                   |
| Cold water tank capacity | 3.2 L                                     |
| Noise level              | 59 dB                                     |
| Dimensions (LWH)         | 310x350x1100 mm                           |
| Net weight               | 22 kg                                     |
| Gross weight             | 25 kg                                     |

## 5. ELECTRIC SCHEMATIC DIAGRAM

PROCESS FLOW, ELECTRICAL SCHEMATIC AND NAME OF EACH COMPONENT



## 6. INSTALLATION PROCEDURES

### Install the drain pipe:

Firstly, cut two pieces of PE pipes in suitable length and make sure the notches are flat and smooth. And then, connect the outlet of RO drain water and Water Pan to PVC downcomer.

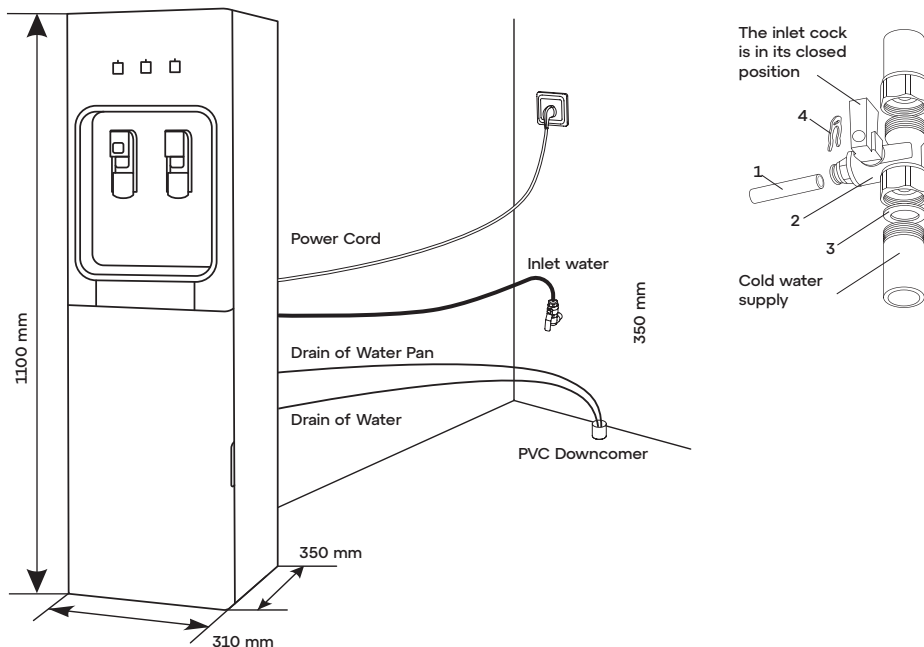
- Tools Required:
  - Cross screw driver
  - Adjustable wrench
  - Scissors
- Please check if the accessories are complete as packing list mentioned.
- Installation position required:
  - Close to 220V socket.
  - Close to municipal tap water source.
  - Close to drain outlet, please note that the position of drain pipes should be at least 15 cm lower than water pan.
- Install the connection node.

**ATTENTION! The end of the pipeline must be flat, where the connecting node is connected. Do not use excessive force when**

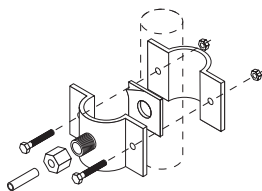
**tightening the clamping nut. Otherwise, it will damage the gasket.**

In the event of any mechanical damage to the connecting node 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 node (2).
- Connect the connecting node (2) to the pipeline. If necessary, use tread seal tape to seal the external thread of the node.
- Close the inlet cock of the connecting node 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 node (2).
- Insert the pre-moistened end of the tube of the water filter (1) into the plastic sleeve of the connecting node (2) until it stops about 15 mm deep and house the clip (4).



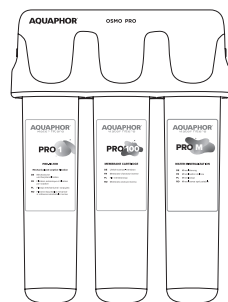
- Check the tightness of the tube (1) fastening: with a force of 80–100 N, the tube should not be pulled out.
  - Wrap threads of the connection node with Teflon tape.
5. Install the drain clamp.



- Remove the protective film from the gasket. Bond the gasket to the inside of the clamp so that the hole in the gasket matches the hole in the clamp fitting.
  - Place the clamp on the pipe and then tighten the bolts. The bolts should be tightened evenly so that the two pieces of the clamp are parallel.
  - Drill a 7 mm hole through the clamp connection. Put a plastic nut on the free end of the drain tube and, inserting the tube into the drain clamp by 20–30 mm, screw the nut onto the fitting.
6. Connect the silicon tube to the drain of the water pan or a bucket.
7. Open the door at the bottom of the front panel and install filter cartridges to water purifier according to the labels indicated below.
8. Install the new cartridges and flush the machine
- Open the door at the bottom of the front panel of the dispenser.
  - Shut off the water supply (close the inlet tap on the connection unit) and unplug the power cord, prior to installing or replacing new cartridges.
  - Remove required cartridge by turning the cartridge counterclockwise and taking it out.

#### To replace PRO 1 / PRO M cartridge follow the next steps:

- Remove the overwrapping film from the new PRO 1, PRO M cartridges.
- Insert the new PRO 1 and PRO M cartridges into the corresponding collectors until they stop and turn clockwise, until a click.



- Insert the service plug into the central slot (the slot of the reverse osmosis membrane unit).
- Open the inlet tap on the connection unit, connect power supply and power on, the machine will start producing water. During this period, the switch for heating should be off.
- After the machine completes water production, cut off the water and power supply. Connect the silicon tube to "drain of hot water tank" and connect the other end to drain of the house or a bucket to drain out all the water in the tank.
- Remove the service plug from the slot of the reverse osmosis membrane unit.
- If PRO 100 cartridge does not require replacing – take off the silicon tube and insert the PRO 100 cartridge back.

#### To replace PRO 100 cartridge follow the next steps:

- Remove the overwrapping film from the new PRO 100 cartridge, then insert the cartridge into the slot of the membrane filter until they stop and turn clockwise, until a click.
- Open the inlet tap on the connection unit, connect power supply and power on, the machine will start producing water. **During this period, the switch for heating should be off.**
- After the machine completes water production, cut off the power supply. Connect the silicon tube to "drain of hot water tank" and connect the other end to drain of the house or a bucket to drain out all the water in the tank.

- Power on again and make the machine produce water and then drain out all the water in the tank after water production is completed. Repeat the process of filling and flushing 2 to 3 times. During this process, pay attention to all connections to see if there is any leakage.
- After flushing, take off the silicon tube and pack it up. Block the "drain of hot water tank".
- Cover the front panel.
- Open the inlet tap on the connection unit, connect power supply and power on, the machine will start producing water. During this period, the switch for heating should be off.

**ATTENTION! After connecting the dispenser, wait until the tank is filled (about 30 minutes), otherwise overheating of the system and tripping of the fuse may occur.**

This machine is controlled by the opening and closing of the mechanical and electric float valves. The cold water tank contains an UV lamp for additional water disinfection. Normal use is as convenient and safe as using water tap.

Open the inlet cock of the connecting node, the machine starts to produce water, insert the plug into the 220V ~ / 50Hz power supply, the power light is on. Wait for the hot water tap to release the water to open the heating switch and the cooling switch. After turning on the heating switch (on the back of the machine), the red light, which indicates heating, is on. Red light goes out to indicate heat preservation. At this time, the water temperature is above 90 °C. Turn on the cooling switch (on the back of the machine), then blue light or green light is on. The cooling of water begins. When water is less than 10 °C, blue light goes out, which indicates temperature preservation.

**ATTENTION! Hot water is released only when the child lock key is pressed.**

## 7. HOW TO USE

### Service Life of Filter Cartridges

| Cartridge        | Cartridge lifetime   |
|------------------|----------------------|
| PRO 1 cartridge  | Full life: 6 months  |
| PRO 100 membrane | Full life: 24 months |
| PRO M            | Full life: 12 months |

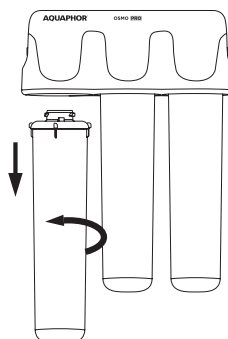
The water intake of the machine is treated according to the required municipal tap water. However, the water quality of tap water varies greatly from place to place. The water quality varies from season to season. In addition, daily water consumption depends on the number of consumers. Therefore, it should be based on the actual use and experience to determine the specific replacement cycle.

When the filter cartridge needs to be replaced, it is recommended that you contact your local dealer for replacement or repair.

**In order to avoid accidental water leakage caused by improper operation, do not operate by yourself!**

### Replace the filter cartridge:

1. Open the door at the bottom of the front panel of the dispenser.

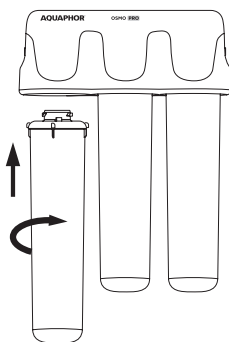


2. Twist filter cartridge anticlockwise to disassemble it and then install a new one as above.

### Install the filter cartridge:

1. Open the door at the bottom of the front panel of the dispenser.

2. Insert the filter cartridge into the cap and then twist the body of the cartridge clockwise until match the right position.



Please pay attention to the positions of filter cartridges and install them in right order (see page 6).

### Warning!

1. Keep infants and children away from the unit at all times.
2. Never allow children to operate or approach the machine to prevent accidents or injury.
3. Always close the water shut-off valve before bedtime or when leaving the house. This prevents potential damage or leaks caused by water hammer pressure impacting the filter elements.
4. In case of a malfunction, immediately turn off the water supply and power.
5. Contact your dealer or service provider to have a qualified technician perform any necessary troubleshooting.
6. Do not attempt to replace the filter elements yourself.
7. Filter replacement must be carried out by trained professionals to avoid improper installation or water leakage.

## 8. TERMS OF SERVICE AND WARRANTIES

Aquaphor 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.

Filter Dispenser Aquaphor W3101-2F RO PRO 100 – Two Year Warranty from the date of purchase. This does not apply, however, to consumable filters.

The service life is 6 years from the date of manufacture.

### Exclusions and Limitations

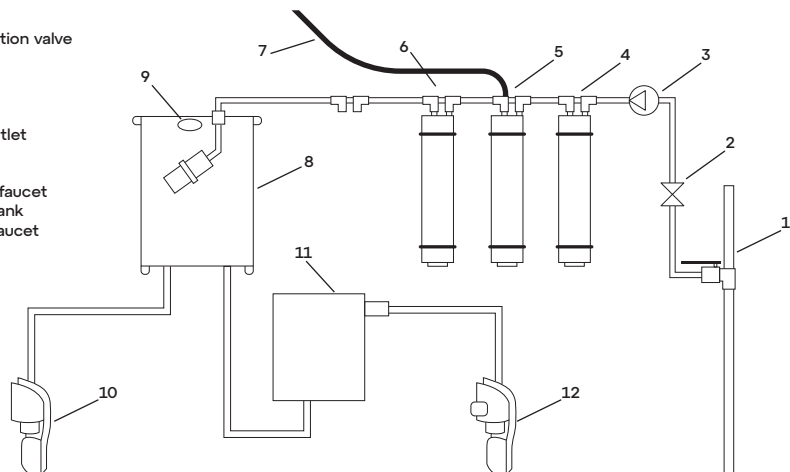
1. Aquaphor warrants its products to be free from manufacturing defects under normal use and service. This warranty is extended only to the ORIGINAL PURCHASER.
2. Aquaphor obligations under this warranty are limited to repairs or replacement, at Aquaphor's option, of products or parts found to be defective, 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.
  - 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.

## Waterway schematic

1. Inlet Valve
2. Leak protection valve
3. Pump
4. Pro1
5. PRO 100
6. PRO Mg
7. Drainage outlet
8. Cold tank
9. UV lamp
10. Cold water faucet
11. Hot water tank
12. Hot water faucet



## Common fault judgment and treatment

| Fault phenomenon                | Reasons                                                          | Treatment                         |
|---------------------------------|------------------------------------------------------------------|-----------------------------------|
| The machine is not working      | The power plug is not plugged in.                                | Plug in the power                 |
| The machine does not make water | Waterless, no water valve, leakage protection has been activated | Add water or open the water valve |
| Low water flow                  | The filter is blocked                                            | Change filter                     |
| No cold water                   | Cold temperature control                                         | Temperature control               |
| The light is not on             | The computer board is broken                                     | Change the computer board         |
| The compressor does not work    | The protector is broken                                          | Change protector                  |
| Pipeline leaking                | The pipeline is not installed                                    | Reconnect the pipeline            |
| Pipeline leaking                | The pipeline is broken                                           | Change the pipe                   |
| The pump does not work          | The float switch is broken                                       | Change the float switch           |
| The pump does not start         | The pump is damaged                                              | Replace the pump                  |
| Filter leaking                  | Filter element is damaged                                        | Change the filter                 |



# **AQUAPHOR®**

water filters

**Manufacturer:**

Aquaphor International OÜ,  
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sales@aquaphor.com, www.aquaphor.com

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

Product serial number