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## AQUAPHOR RO-70S

# Aquaphor RO-70S Reverse Osmosis Water Filter System User Manual

Model: RO-70S



## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Aquaphor RO-70S Reverse Osmosis Water Filter System. Please read this manual thoroughly before installation and use to ensure proper functioning and longevity of your system. The Aquaphor RO-70S is designed to provide high-quality purified drinking water by effectively removing various contaminants.



Figure 1: Aquaphor RO-70S Reverse Osmosis Water Filter System, front view.

## 2. SAFETY INFORMATION

Always follow basic safety precautions when installing or maintaining the Aquaphor RO-70S system to reduce the risk of fire, electric shock, and injury. Keep this manual for future reference.

- Ensure all connections are secure and leak-free to prevent water damage.
- Do not use the system with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Disconnect power before performing any maintenance or filter changes.
- Install the system in an area protected from freezing temperatures and direct sunlight.
- Only use genuine Aquaphor replacement filters and parts.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present in your package. Refer to Figure 2 for a visual representation of the components.



Figure 2: Aquaphor RO-70S System Components.

1. Main filter unit
2. Pre-filter cartridges (e.g., K5, K2)
3. RO membrane cartridge (e.g., RO-50S)
4. Post-filter cartridge (e.g., K7B)
5. Connection fittings and tubing
6. Water supply adapter with shut-off valve
7. Drain saddle valve
8. Drinking water faucet
9. Filter wrench (if applicable)
10. User Manual

## 4. SETUP AND INSTALLATION

The Aquaphor RO-70S system is designed for under-sink installation. Professional installation is recommended, but if you choose to install it yourself, follow these general steps. Ensure you have adequate space as shown in Figure 3 and Figure 4.



Figure 3: Under-sink installation example.



Figure 4: Dimensions of the Aquaphor RO-70S system (L x W x H: 27.1 x 19 x 49.5 cm).

#### 4.1. Pre-Installation Checks

- Confirm water pressure is within the recommended range (check specifications).
- Ensure sufficient space under the sink for the unit and future filter changes.
- Turn off the main water supply before beginning installation.

## 4.2. Installation Steps (General)

1. **Install the Faucet:** Drill a hole (if necessary) in the sink or countertop and mount the dedicated drinking water faucet.
2. **Connect to Cold Water Supply:** Install the water supply adapter to the cold water line under the sink.
3. **Install the Drain Saddle:** Attach the drain saddle valve to the drain pipe to allow wastewater discharge.
4. **Mount the Filter Unit:** Place the main filter unit in the desired under-sink location.
5. **Connect Tubing:** Connect the appropriate tubing from the water supply adapter to the filter inlet, from the filter outlet to the faucet, and from the filter's drain port to the drain saddle.
6. **Flush the System:** Slowly turn on the water supply. Allow the system to flush for at least 10-15 minutes to remove air and carbon fines. Check for leaks.

## 5. OPERATING INSTRUCTIONS

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The Aquaphor RO-70S system operates automatically once installed. It uses a multi-stage filtration process to provide clean drinking water.

### 5.1. Filtration Process

- **Pre-filtration:** The CarbFiber Block technology in the pre-filters removes organic impurities, heavy metals, and chlorine, filtering particles down to 5 microns. This stage protects the RO membrane.
- **Reverse Osmosis Membrane:** The RO-50S membrane acts as a barrier against toxic substances, heavy metals, pesticides, bacteria, and viruses, ensuring high-purity water.
- **Post-filtration:** A final filter polishes the water, improving taste and odor.



Figure 5: Aquaphor RO-70S filter cartridges.

## 5.2. Daily Use

Simply open the dedicated drinking water faucet to dispense purified water. The system will automatically refill the internal tank (if applicable) as water is drawn.

## 6. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Aquaphor RO-70S system. This primarily involves replacing the filter cartridges.

### 6.1. Filter Replacement

- **Pre-filters (K5, K2):** Typically replaced every 3-6 months, depending on water quality and usage.
- **RO Membrane (RO-50S):** Generally replaced every 1-2 years.
- **Post-filter (K7B):** Typically replaced every 6-12 months.

*Always refer to the specific filter replacement schedule provided with your filter cartridges or consult the Aquaphor*

website for detailed information.

## 6.2. Replacement Procedure (General)

1. Turn off the water supply to the RO system.
2. Open the faucet to relieve pressure.
3. Remove the old filter cartridges by twisting or unscrewing them (refer to specific filter instructions).
4. Insert new cartridges, ensuring they are properly seated and sealed.
5. Slowly turn on the water supply and check for leaks.
6. Flush the system for several minutes as per initial setup instructions.

## 7. TROUBLESHOOTING

If you encounter issues with your Aquaphor RO-70S system, consult the following common troubleshooting tips.

### 7.1. Low Water Flow from Faucet

- **Clogged Filters:** Replace pre-filters or RO membrane if they are past their service life.
- **Low Water Pressure:** Ensure the incoming water pressure meets the system's requirements.
- **Air Lock:** Ensure the system has been properly flushed after installation or filter change.

### 7.2. Unusual Taste or Odor

- **Expired Post-filter:** Replace the post-carbon filter.
- **New System Flush:** Ensure the system was adequately flushed during initial setup.
- **RO Membrane Failure:** If taste issues persist, the RO membrane may need replacement.

### 7.3. Leaks

- **Loose Connections:** Check all tubing connections and fittings for tightness.
- **Damaged O-rings:** Inspect O-rings on filter housings and replace if damaged.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	RO-70S
Brand	AQUAPHOR
Product Dimensions (L x W x H)	27.1 x 19 x 49.5 cm
Weight	5.9 kilograms
Special Feature	Reverse Osmosis
Material	Carbon Fiber, Plastic
Capacity	5 Litres (likely internal tank or daily output)
Included Components	Under-sink filter system

<b>Installation Type</b>	Under Sink
<b>Purification Method</b>	Carbon Block, Reverse Osmosis
<b>Power Source</b>	Electric Cable
<b>Maximum TDS Level Supported</b>	1000 PPM

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please contact Aquaphor customer service or visit the official Aquaphor website. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** AQUAPHOR

**Spare Parts Availability:** Information unavailable (as per product data, users should contact manufacturer directly)

