

FRIZZLIFE BFRO100

Frizzlife BFRO100 3-Stage Reverse Osmosis Water Filtration System User Manual

Model: BFRO100

1. INTRODUCTION

This manual provides detailed instructions for the Frizzlife BFRO100 3-Stage Reverse Osmosis Water Filtration System. This system is designed to provide high-quality purified water for various applications, including aquariums, apartments, RVs, and boats. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.



Figure 1: Frizzlife BFRO100 3-Stage Reverse Osmosis Water Filtration System. This image displays the complete Frizzlife BFRO100 system, showcasing its compact design, the three filter stages, pressure gauge, and various connection ports. Included accessories like the faucet connector and wrench are also visible.

2. PRODUCT OVERVIEW

2.1 Key Features

- **3-Stage Filtration Process:** The BFRO100 system utilizes a 3-stage filtration process, including a PP sediment filter, an activated carbon filter, and an RO membrane.
- **Effective RO Filtration:** The 0.0001 micron RO membrane removes over 99.99% of harmful impurities, including TDS, chlorine, fluoride, lead, heavy metals, arsenic, cysts, and VOCs.
- **Built-in Pressure Gauge:** A liquid-filled pressure gauge monitors system performance and indicates when membrane replacement is necessary.
- **100 GPD Capacity with Flush Valve:** Produces up to 100 gallons per day of purified water. Includes a T-faucet switch for alternating between tap and RO water.
- **Easy Installation and Replacement:** The compact system is largely pre-assembled. Installation takes approximately 10 minutes with the provided step-by-step instructions and included accessories.

2.2 Components (What's in the Box)

The Frizzlife BFRO100 system includes the following components:

- FAF-RO100 Membrane
- CTO210W Activated Carbon Filter
- PP210W Sediment Filter
- 1/4" Tubing
- Drinking Water Connector FD03
- Drain Saddle
- Membrane Housing Wrench
- Tubing Wrench
- Lock Clips

Part List

- | | |
|------------------------------------|----------------------------|
| 1. FAF-RO100 Membrane | 6. Drain Saddle |
| 2. CTO210W Activated Carbon Filter | 7. Membrane Housing Wrench |
| 3. PP210W Sediment Filter | 8. Tubing Wrench |
| 4. 1/4" Tubing | 9. Lock Clips |
| 5. Drinking Water Connector FD03 | |



Figure 2: Part List. This image provides a comprehensive list and visual identification of all parts included in the Frizzlife BFRO100 package, such as the RO membrane, carbon filter, sediment filter, tubing, faucet connector, drain saddle, and wrenches.



Sediment Filter (5 micron)

Removes large particles such as rust, dirt and sand.

Activated Carbon Filter (5 micron)

Removes chlorine, VOCs, cysts, bad taste & odor, and conditions water prior to the RO membrane.

Reverse Osmosis Membrane (0.0001 micron)

Eliminate more than 99.99% harmful contaminants (over 1000 kinds) including but not restrict to chlorine, fluoride, lead, heavy metals, arsenic, cysts, VOCs from water, reducing Total Dissolved Solids (TDS) by over 99%.

Figure 3: Filtration Stages. This diagram details the function of each of the three filtration stages: the 5-micron Sediment Filter (PP), the 5-micron Activated Carbon Filter (CTO), and the 0.0001 micron Reverse Osmosis Membrane. It explains what each stage removes from the water.

3. SETUP AND INSTALLATION

The Frizzlife BFRO100 system is designed for easy installation and comes largely pre-assembled. Follow these steps for setup:

1. **Unpack Components:** Carefully remove all items from the packaging and verify against the part list (Figure 2).
2. **Connect to Water Supply:** Attach the provided drinking water connector (FD03) to your faucet. Use the 1/4" tubing to connect the 'Supply' port (blue) on the RO system to the faucet connector.
3. **Install Drain Saddle:** Secure the drain saddle to the drain pipe under your sink. Connect the 'Waste Water' port (red) on the RO system to the drain saddle using 1/4" tubing.
4. **Connect Pure Water Outlet:** Connect the 'Pure Water' port (yellow) to your desired pure water collection point (e.g., a separate faucet or storage tank for aquarium use).
5. **Flush System:** Before first use, flush the system. Open the flush valve (Figure 4) and allow water to run for approximately 15-30 minutes to rinse new filters and membrane. Close the flush valve after flushing.



Figure 4: Water Connections and Flush Valve. This image highlights the color-coded water connection ports (Supply, Tank, Waste, Pure), the operation of the flush valve (Open for flushing, Close for pure water production), and the 'Easy Replacement' feature for filter cartridges.

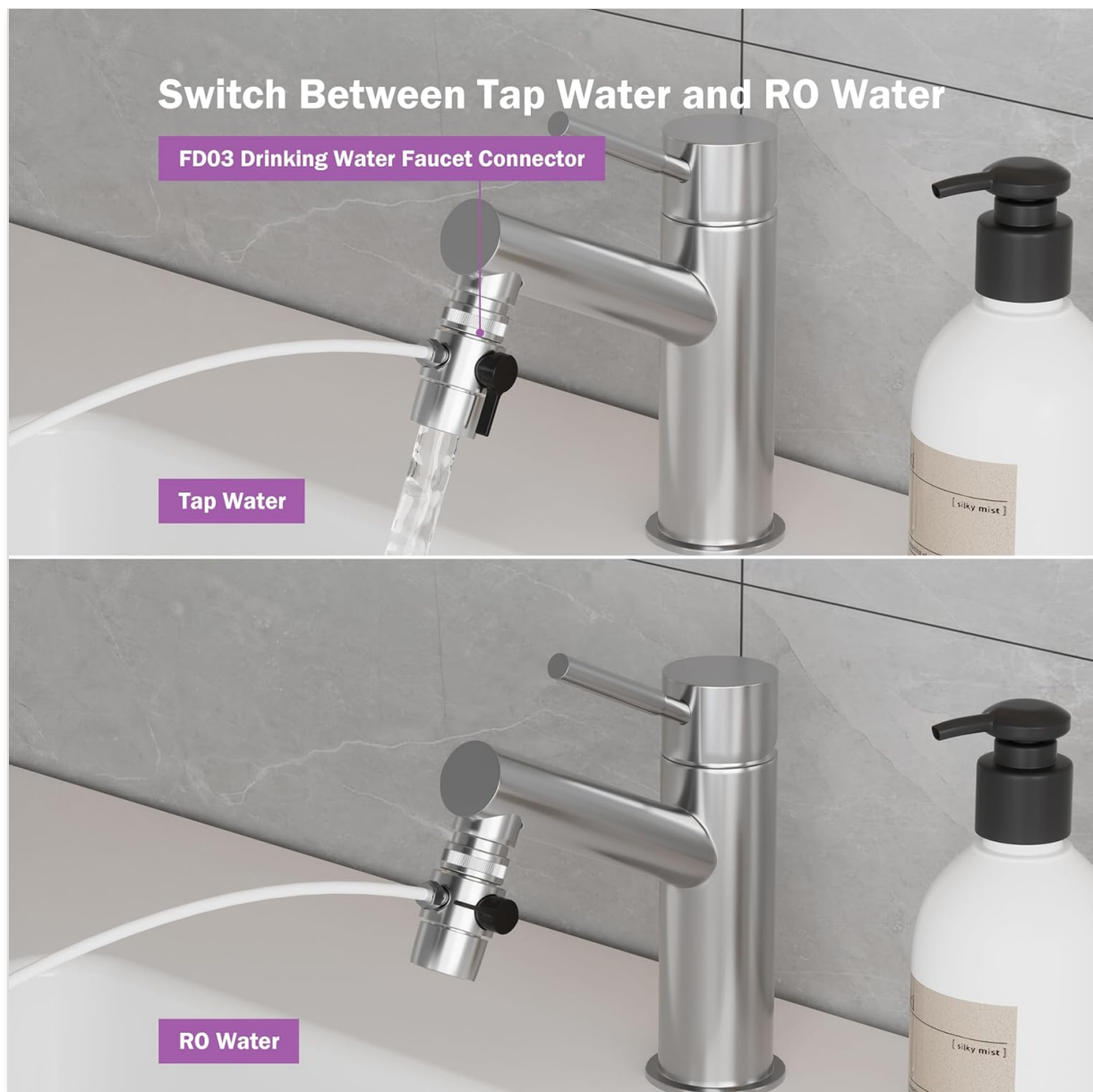


Figure 5: Faucet Connector Operation. This image demonstrates how the FD03 Drinking Water Faucet Connector allows users to easily switch between regular tap water and purified RO water from a standard kitchen faucet.

4. OPERATING INSTRUCTIONS

Once installed and flushed, the Frizzlife BFRO100 system is ready for operation.

1. **Producing RO Water:** Ensure the flush valve is in the 'CLOSE' position (as shown in Figure 4). Open the main water supply to the system. Purified water will begin to flow from the 'Pure Water' outlet.
2. **Monitoring Performance:** The built-in pressure gauge (Figure 6) allows for easy monitoring of system performance. A significant drop in pressure may indicate a need for filter or membrane replacement.
3. **Switching Water Types:** Use the T-faucet switch on the FD03 Drinking Water Faucet Connector (Figure 5) to alternate between regular tap water and RO water as needed.

100 GPD Large Capacity

Produce up to 100 gallons of purified RO water per day, meeting the daily water needs.

100 GPD

Built-In Pressure Gauge

Monitor system performance easily, indicating when it's time to replace the membrane for optimal functionality.



Figure 6: 100 GPD Capacity and Pressure Gauge. This image emphasizes the system's 100 GPD (Gallons Per Day) purification capacity and provides a detailed view of the integrated liquid-filled pressure gauge, which helps monitor system performance.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Frizzlife BFRO100 system.

- **Filter Replacement:** The sediment and carbon filters typically require replacement every 6-12 months, depending on water quality and usage. The RO membrane usually lasts 2-3 years. Refer to the pressure gauge for indications of reduced flow or performance.
- **Membrane Replacement:** When the pressure gauge indicates a significant drop in pressure or if the purified water quality diminishes, it's time to replace the RO membrane. Use the provided membrane housing wrench for replacement (Figure 4).
- **System Flushing:** Periodically flush the system by opening the flush valve for a few minutes to help extend the life of the RO membrane.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Frizzlife BFRO100 system.

• **Low Water Production:**

- Check water supply pressure. The system requires 40-100 PSI.
- Ensure the flush valve is fully closed.
- Inspect filters and RO membrane for clogging. Replace if necessary.
- Verify tubing connections for kinks or leaks.

• **Poor Water Quality (High TDS):**

- The RO membrane may be exhausted. Replace the RO membrane.
- Ensure proper flushing procedures were followed after installation or membrane replacement.

• **Leaks:**

- Tighten all connections. Do not overtighten.
- Check O-rings inside filter housings for proper seating and damage.

7. SPECIFICATIONS



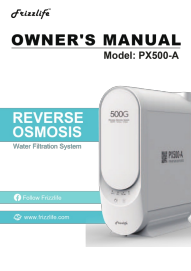


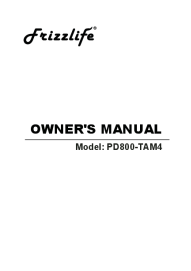
Specification	Value
Model Name	BFRO100
Product Dimensions	37 cm (L) x 16 cm (W) x 16 cm (H)
Weight	3.24 kg
Filtration Method	Reverse Osmosis
Number of Stages	3
Rated Capacity	100 Gallons Per Day (GPD)
Installation Type	Countertop
Operating Pressure Range	40-100 PSI
Operating Temperature Range	4°C - 38°C (40°F - 100°F)
Power Source	Gravity Powered
Special Features	3-stage filtration process, built-in pressure gauge

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Frizzlife customer service. Refer to the product packaging or the official Frizzlife website for the most current contact details.

Manufacturer: Frizzlife

Brand: FRIZZLIFE

 <p>OWNER'S MANUAL Model: PX500</p> <p>REVERSE OSMOSIS Water Filtration System</p> <p>Follow Frizzlife www.frizzlife.com</p>	<p>Frizzlife PX500 Reverse Osmosis Water Filtration System Owner's Manual</p> <p>This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Frizzlife PX500 Reverse Osmosis Water Filtration System.</p>
 <p>OWNER'S MANUAL Model: PD400</p> <p>REVERSE OSMOSIS Water Filtration System</p> <p>Follow Frizzlife www.frizzlife.com</p>	<p>Frizzlife PD400 Reverse Osmosis Water Filtration System Owner's Manual</p> <p>This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Frizzlife PD400 Reverse Osmosis Water Filtration System.</p>
 <p>OWNER'S MANUAL Model: PX500-A</p> <p>REVERSE OSMOSIS Water Filtration System</p> <p>Follow Frizzlife www.frizzlife.com</p>	<p>Frizzlife PX500-A Reverse Osmosis Water Filtration System Owner's Manual</p> <p>Comprehensive owner's manual for the Frizzlife PX500-A undersink reverse osmosis water filtration system, covering installation, operation, maintenance, troubleshooting, and warranty.</p>
 <p>OWNER'S MANUAL Model: PD1000-TAM4</p>	<p>Frizzlife PD1000-TAM4 Undersink Reverse Osmosis System Owner's Manual</p> <p>Comprehensive owner's manual for the Frizzlife PD1000-TAM4 undersink reverse osmosis water filter system. Includes installation instructions, product overview, maintenance, troubleshooting, and warranty information.</p>
 <p>OWNER'S MANUAL Model: PD600-TAM3</p>	<p>Frizzlife PD600-TAM3 Undersink Reverse Osmosis Water Filter System Owner's Manual</p> <p>Comprehensive owner's manual for the Frizzlife PD600-TAM3 undersink reverse osmosis water filter system. Includes installation instructions, operation, maintenance, troubleshooting, and warranty information.</p>
 <p>OWNER'S MANUAL Model: PD800-TAM4</p>	<p>Frizzlife PD800-TAM4 Undersink Reverse Osmosis System Owner's Manual</p> <p>Comprehensive owner's manual for the Frizzlife PD800-TAM4 undersink reverse osmosis system, covering installation, operation, maintenance, troubleshooting, and warranty information.</p>

