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FRIZZLIFE PD600

FRIZZLIFE PD600 RO Reverse Osmosis Water Filtration System

INSTRUCTION MANUAL

Product Overview

The FRIZZLIFE PD600 RO Reverse Osmosis Water Filtration System is designed to provide high-quality, purified water for your home. This tankless system features a 600 GPD (Gallons Per Day) high flow rate, alkaline mineral pH re-mineralization, and a compact design for under-sink installation. It includes an MWT3 mini water tank and an IMC-1 ice maker kit for comprehensive water solutions.

Key features include:

- **Remineralization & Alkalization:** The 3rd stage filter balances the alkalinity of RO water, adjusting the pH to over 7.5, and restores essential minerals.
- **Tankless Design:** A compact and sleek system that saves under-sink space and prevents secondary pollution.
- **600 GPD High Water Flow:** Provides 600 gallons of water per day, filling a 330ml cup in approximately 10 seconds.
- **1.5:1 Low Drain Ratio:** Advanced water-saving technology reduces water waste by up to 450% compared to conventional RO systems.
- **Smart LED Display & Quick Change:** The display panel shows real-time TDS (Total Dissolved Solids) and filter lifespan, with color-coded indicators for timely filter replacement.

Included Components

Before beginning installation, ensure all components are present:

- FRIZZLIFE PD600 Main Unit
- MWT3 Mini Water Tank
- IMC-1 Ice Maker Installation Kit

- Storage Tank (if applicable, though system is tankless, this may refer to the MWT3)
- Inlet Hose
- Outlet Hose
- Instruction Manual
- Dedicated Faucet



Image: The Frizzlife PD600 main unit, TAM3 filter, and dedicated faucet.



Image: The MWT3 Mini Water Tank, designed for compact storage.



Image: Components of the IMC-1 Ice Maker Installation Kit, including tubing and connectors.

Setup and Installation

The FRIZZLIFE PD600 system is designed for under-sink installation. Follow these general steps for setup. Refer to the detailed instruction manual provided in the box for specific plumbing and electrical connections.

1. **Prepare the Installation Area:** Clear the under-sink cabinet space. Ensure access to the cold water line and a power outlet.
2. **Install the Dedicated Faucet:** Drill a hole in your countertop (if necessary) and install the dedicated RO faucet.
3. **Connect to Cold Water Line:** Install the feed water adapter to your cold water supply line.
4. **Install the Drain Saddle:** Attach the drain saddle to the drain pipe to dispose of wastewater.
5. **Connect Tubing:** Connect the inlet, outlet, and drain tubing to the main unit, faucet, and drain saddle as per the diagram.
6. **Install Filters:** Insert the filter cartridges into their respective slots on the main unit.
7. **Connect MWT3 Mini Tank (Optional):** If using, connect the MWT3 mini tank to the system as instructed.
8. **Connect IMC-1 Ice Maker Kit (Optional):** If connecting to an ice maker, follow the instructions for

the IMC-1 kit.

9. **Power On:** Plug the system into a grounded electrical outlet.
10. **Flush the System:** Follow the manual's instructions to flush the system before first use to remove air and carbon fines.



Image: An illustration demonstrating the typical under-sink installation of the Frizzlife RO system, including connections to a refrigerator and the dedicated faucet.

Operating Instructions

Once installed and flushed, the FRIZZLIFE PD600 system operates automatically. The smart LED display provides real-time information:

- **TDS Output:** The display shows the TDS level of the filtered water, indicating its purity.
- **Filter Lifespan Indicators:** Color-coded bars or lights indicate the remaining lifespan of each filter (CP for Composite Filter, RO for Reverse Osmosis Membrane).
- **Power Indicator:** Shows the system's power status.

To dispense water, simply use the dedicated RO faucet. The system will automatically filter water as needed.

Maintenance

Regular maintenance ensures optimal performance and water quality. The smart LED display will alert you when filters need replacement.

- **Filter Replacement:** When a filter indicator turns red, it's time to replace that specific filter cartridge. The quick-change design allows for easy, tool-free replacement.
- **Cleaning:** Periodically wipe down the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.



Image: An illustration demonstrating the simple process of replacing filter cartridges in the Frizzlife RO system, highlighting the quick-change mechanism.

Troubleshooting

If you encounter issues with your FRIZZLIFE PD600 system, consider the following common solutions:

- **No Water Flow:** Check if the water supply valve is fully open. Ensure the system is plugged in and powered on. Verify that filters are correctly installed and not clogged.
- **Slow Water Flow:** This often indicates a clogged filter. Check the filter lifespan indicators on the LED display and replace any expired filters.

- **Unusual Taste/Odor:** This may occur if filters are expired or if the system was not properly flushed after installation or filter replacement. Flush the system thoroughly.
- **Leakage:** Turn off the water supply immediately. Check all tubing connections to ensure they are secure and properly seated. Inspect O-rings on filter housings.
- **High TDS Reading:** If the TDS output remains high after flushing, the RO membrane may need replacement. Refer to the filter lifespan indicator for the RO filter.

For persistent issues, consult the full instruction manual or contact customer support.

Specifications

Feature	Detail
Brand	FRIZZLIFE
Model Name	PD600
Special Feature	Smart, Tankless
Capacity	600 Gallons Per Day (GPD)
Installation Type	Under Sink
Purification Method	Alkaline, Reverse Osmosis
Maximum Flow Rate	3.47 Gallons Per Minute
Supported Water TDS Level Maximum	1500 PPM
Included Components	Storage Tank (MWT3), Inlet Hose, Outlet Hose, Instruction Manual, MWT3 mini water tank, IMC-1 ice maker installation kit

Warranty and Support

For warranty information, product registration, or technical support, please refer to the contact details provided in your product packaging or visit the official FRIZZLIFE website. Ensure you have your model number (PD600) and purchase date available when contacting support.