

FRIZZLIFE PD400

Frizzlife PD400 Tankless Reverse Osmosis Water Filtration System User Manual

Model: PD400 | Brand: FRIZZLIFE

1. INTRODUCTION

The Frizzlife PD400 Tankless Reverse Osmosis Water Filtration System provides advanced water purification for your home. This system features a compact, tankless design, a high 400 GPD (Gallons Per Day) capacity, and a low drain ratio of 1.5:1 (pure to drain). It is designed to remove over 1000 types of contaminants, including lead, chlorine, fluoride, heavy metals, and VOCs, ensuring clean and safe drinking water. This manual provides detailed instructions for installation, operation, and maintenance.

2. SAFETY PRECAUTIONS

- Read all instructions thoroughly before installation and use.
- Ensure the water pressure and temperature are within the specified operating limits.
- Always turn off the main water supply before performing any maintenance, filter changes, or repairs.
- Do not use this system with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Keep the system away from direct sunlight, freezing temperatures, and heat sources.
- Ensure all connections are secure and leak-free after installation and maintenance.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Frizzlife PD400 Main Unit
- Dedicated Faucet
- Drain Saddle
- Feed Water Valve
- Converter Set
- 1/4" White Tubing
- 1/4" Red Tubing
- 3/8" White Tubing
- Blade
- Plumber Tape
- 1/4" Quick Fitting
- TDS Meter
- User Manual

4. PRODUCT OVERVIEW

4.1 Filtration Stages

The Frizzlife PD400 system utilizes a 5-stage filtration process within two compact filters:

1. Pleated Sediment Filter
2. High Grade ACF1 (Activated Carbon Filter)
3. High Grade ACF2 (Activated Carbon Filter)
4. RO Membrane (Reverse Osmosis)
5. Taste Polish Filter



Image: Detailed view of the 5-stage filtration process within the two filter cartridges.

4.2 Tankless Design Benefits

Unlike traditional RO systems, the PD400 features a tankless design, offering several advantages:

- **No Secondary Pollution:** Eliminates the risk of secondary contamination often associated with stagnant water in traditional tanks.
- **Space Saving:** Reduces the footprint under your sink by up to 70%.
- **Instant Pure Water:** Provides fresh, filtered water on demand without waiting for a tank to fill.



Frizzlife RO System

VS



Traditional RO System



1.

No Secondary Pollution



2.

Save 70% Space



3.

Filter Life Remind



1.

Metal tank breeds pollutants



2.

Crowded and Mess



3.

No Remind

Image: Visual comparison highlighting the compact, tankless design of the Frizzlife system versus a traditional RO system with a tank.

4.3 Product Dimensions

The main unit dimensions are approximately 37.1 cm (L) x 13.5 cm (W) x 39.4 cm (H).



Image: Detailed dimensional drawing of the Frizzlife PD400 main unit and dedicated faucet.

5. INSTALLATION GUIDE

The Frizzlife PD400 system is designed for straightforward DIY installation. No professional plumber is typically required. A step-by-step installation video is usually available from the manufacturer's website or support channels.

5.1 General Installation Steps

1. **Prepare the Installation Area:** Clear the space under your sink. Ensure you have access to the cold water line and a drain pipe.
2. **Turn Off Water Supply:** Locate and turn off the cold water supply valve under your sink.
3. **Install Feed Water Adapter:** Connect the feed water adapter to your cold water line.
4. **Install Drain Saddle:** Attach the drain saddle to the drain pipe under your sink.

- **Dispensing Water:** Simply open the dedicated faucet to dispense purified water. The system provides instant pure water, filling a standard cup (approx. 330ml) in about 12 seconds.
- **TDS Monitoring:** Use the included TDS meter to periodically check the Total Dissolved Solids (TDS) level of your filtered water. This helps confirm the system's performance.



Image: Faucet dispensing purified water, illustrating the quick fill rate of 12 seconds per cup.

7. MAINTENANCE AND FILTER REPLACEMENT

Regular maintenance, primarily filter replacement, is crucial for optimal performance and water quality.

7.1 Filter Life Indicator

The Frizzlife PD400 features a smart filter life indicator on the unit that will alert you when it's time to change filters. This indicator typically uses color codes or lights to show filter status (e.g., Good, Replace Soon, Replace Now).

Filter Replacement Remind

2 times / 2 years

PD400 Reverse Osmosis Water Filtration System

Dedicated Faucet	x1
Drain Saddle	x1
Feed Water Valve	x1
Converter Set	x1
1/4" White Tubing	x1
1/4" Red Tubing	x1
3/8" White Tubing	x1
Blade	x1
Plumber Tape	x1
1/4" Quick Fitting	x1
TDS Meter	x1

TWIST IN

Please allow the water to run for a while to get most accurate test result.



**EU QUICK RESPONSE
CUSTOMER SERVICE**

CONTACT US anytime If you have any problem with the product.

Image: Frizzlife PD400 unit displaying the filter life indicator and the quick twist-in filter replacement mechanism.

7.2 Filter Replacement Procedure

The system uses a convenient quick twist-in design for filter replacement, which can be done in approximately 2 seconds per filter.

1. Turn off the water supply to the RO system.
2. Twist the old filter cartridge counter-clockwise to unlock and remove it.
3. Insert the new filter cartridge and twist it clockwise to lock it into place.
4. Turn the water supply back on and flush the system as per initial setup instructions.



Image: Close-up of the quick twist-in filter replacement mechanism.

7.3 Recommended Filter Replacement Schedule

- **CP Filter (Composite Pre-filter):** Approximately every 1 year.
- **RO Membrane:** Approximately every 2 years.

Replacement filters can be found by searching for models ASR211 and ASR212-400.

8. TROUBLESHOOTING

If you encounter issues with your Frizzlife PD400 system, refer to the following common troubleshooting steps:

- **Low Water Flow:**
 - Check the incoming water pressure.
 - Ensure filters are not clogged; replace if necessary.
 - Inspect all tubing for kinks or blockages.
- **Leaks:**
 - Turn off the water supply immediately.
 - Check all connections and fittings for tightness.
 - Ensure O-rings are properly seated and not damaged.
- **Unusual Taste or Odor:**
 - Flush the system thoroughly for an extended period.
 - Replace the filters if the taste or odor persists after flushing.
- **High TDS Reading:**
 - Ensure the RO membrane is correctly installed.
 - Check the RO membrane's age; replace if it has exceeded its lifespan.
 - Flush the system.

9. SPECIFICATIONS

Brand	FRIZZLIFE
Model Name	PD400
Product Dimensions (L x W x H)	37.1 cm x 13.5 cm x 39.4 cm
Material	Polyamide, Plastic
Capacity	400 GPD (Gallons Per Day)
Purification Method	Reverse Osmosis
Installation Type	Under Sink
Special Features	Tankless design, Low drain ratio (1.5:1), High capacity, Integrated TDS meter, Quick fill, Smart filter indicator
Max Supported Water TDS	500 PPM
Lower Temperature Range	77°F (25°C)
Upper Operating Temperature	25°C (77°F)
Item Weight	1.06 Pounds (0.48 kg)
Country of Origin	China

10. CUSTOMER SUPPORT

For any product issues, technical assistance, or inquiries regarding your Frizzlife PD400 system, please contact Frizzlife customer service. Refer to the contact information provided with your product packaging or visit the official Frizzlife website for support:

<https://www.frizzlife.com/>