

Frizzlife PX500-A

Frizzlife PX500-A Tankless Reverse Osmosis Water Filtration System User Manual

Model: PX500-A | Brand: Frizzlife

[Introduction](#) [Features](#) [Components](#) [Setup & Installation](#) [Operation](#) [Maintenance](#)
[Troubleshooting](#) [Specifications](#)

1. INTRODUCTION

The Frizzlife PX500-A is a tankless reverse osmosis (RO) water filtration system designed to provide clean, great-tasting water directly from your tap. This system utilizes advanced filtration technology, including an alkaline remineralization stage, to remove a wide range of contaminants while adding beneficial minerals back into the water. Its compact, tankless design saves significant under-sink space and reduces the risk of secondary contamination.



Figure 1.1: Frizzlife PX500-A System with included faucet.

2. KEY FEATURES

- **Superior Filtration Performance:** Utilizes a 0.0001 micron RO membrane (ASR313-500g) to eliminate over 1000 types of contaminants (99.99%), including fluoride, chlorine, chloramine, TDS, lime, lead, and other heavy metals.
- **Tankless Design:** High capacity of 500 gallons per day (GPD) eliminates the need for a traditional storage tank, saving up to 70% under-counter space and preventing secondary contamination.
- **Easy Installation:** Pre-loaded filters and an integrated design allow for self-installation with minimal effort. All necessary components are included.

- **Filter Life Monitor & Quick Change:** Integrated monitor indicates when filter replacement is needed. Filters can be replaced in approximately 2 seconds with a simple twist mechanism.
- **Remineralization & Alkalization:** The post-alkaline filter (ASR313-A) adds essential minerals and increases water pH to over 7.5 for improved taste and health benefits.
- **High Efficiency:** Achieves a pure to drain ratio of 1.5:1, significantly reducing water waste compared to conventional RO systems.

Filter Elements Certified to NSF/ANSI 42/53/58 Standards

Removes
1000+
contaminants

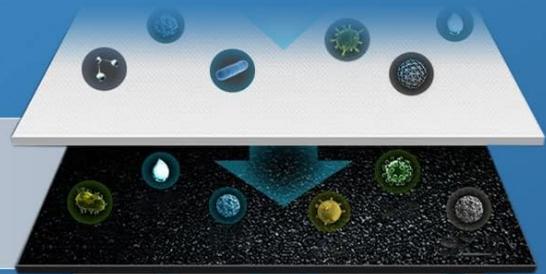
TDS, Chlorine, Taste and odor, Chloramine, Scale, Turbidity, Carcinogens: Chromium(Hexavalent), Chromium(Trivalent), Cadmium and Cadmium Compounds, Ferric Oxide, Heavy Metals: Lead, Mercury, Barium, Copper, Radium 226/228, Aluminum, Microorganism Contaminant: Cyst, Inorganic Pollutants: Arsenic and Inorganic Arsenic Compounds, Fluoride, Organic Pollutants: Asbestos, Benzene, Formaldehyde, Lindane, Phenyltin Nitrate/Nitrite Bisphenol A, Trichloromethane, Chlordane, PFOA&PFOS, etc

8 LAYERS OF DEEP FILTRATION FROM THREE FILTERS

1

PPC LAYER

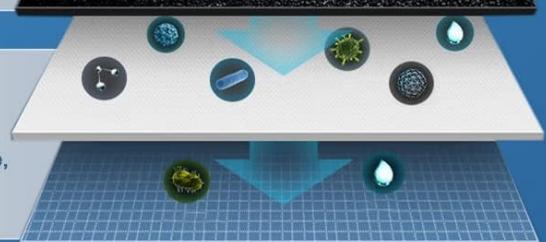
Remove Mud, Dirt, Copper, Chromium, Sediment, Rust, VOCs, Chlorine, other heavy metals



2

RO membrane Layer

The reverse osmosis membrane has a pore size of 0.0001 um, which could remove more than 99.99% of the contaminants (over 1000 kinds) from water including but not restrict to Chlorine, Chloramine, Chromium, Lead, Copper, other heavy metals, Fluoride, Arsenic...



3

TC-A Layer

1. Polish the water taste 2. Remineralization 3. Alkaline (Fe+, Zn+, Ca+..)



Figure 2.1: Filtration stages of the Frizzlife PX500-A system, detailing the PPC, RO Membrane, and TC-A layers.

NO TANK DESIGN



Figure 2.2: The compact, tankless design of the PX500-A system, saving up to 70% under-sink space.

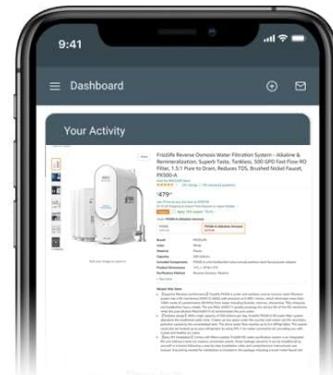
Frizzlife. Water As it Should Be



VERY HAPPY WITH THIS TANKLESS RO SYSTEM

"The pH is 8.0. I used water pH Reagent liquid for testing pH level. I highly recommend this water filtration system especially if your extremely picky about your water taste and quality"

By Frizzlife Customer



QUICK REPLACEMENT



3-second Replacement



>10 mins Replacement

- Adjust pH Level
- Restore Minerals
- Polish Water Taste



Free swap to non-alkaline version

BETTER TASTE

Built-in Remineralization Filter



Figure 2.3: Demonstrates the quick 3-second filter replacement feature and the pH adjustment capability of the remineralization filter.

Why Alkaline Water?

Frizzlife produce a high quality alkaline water which provides optimal hydration and helps neutralize your body

- pro-aging properties (via liquid antioxidants that absorb more quickly into the human body)
- colon-cleansing properties
- immune system support
- hydration, skin health, and other detoxifying properties
- weight loss
- cancer resistance

Acidic water directly from reverse osmosis has positive ORPs, which lead to many health problems, while alkalinized water from PD600+TAM3 unit has highly negative ORPs

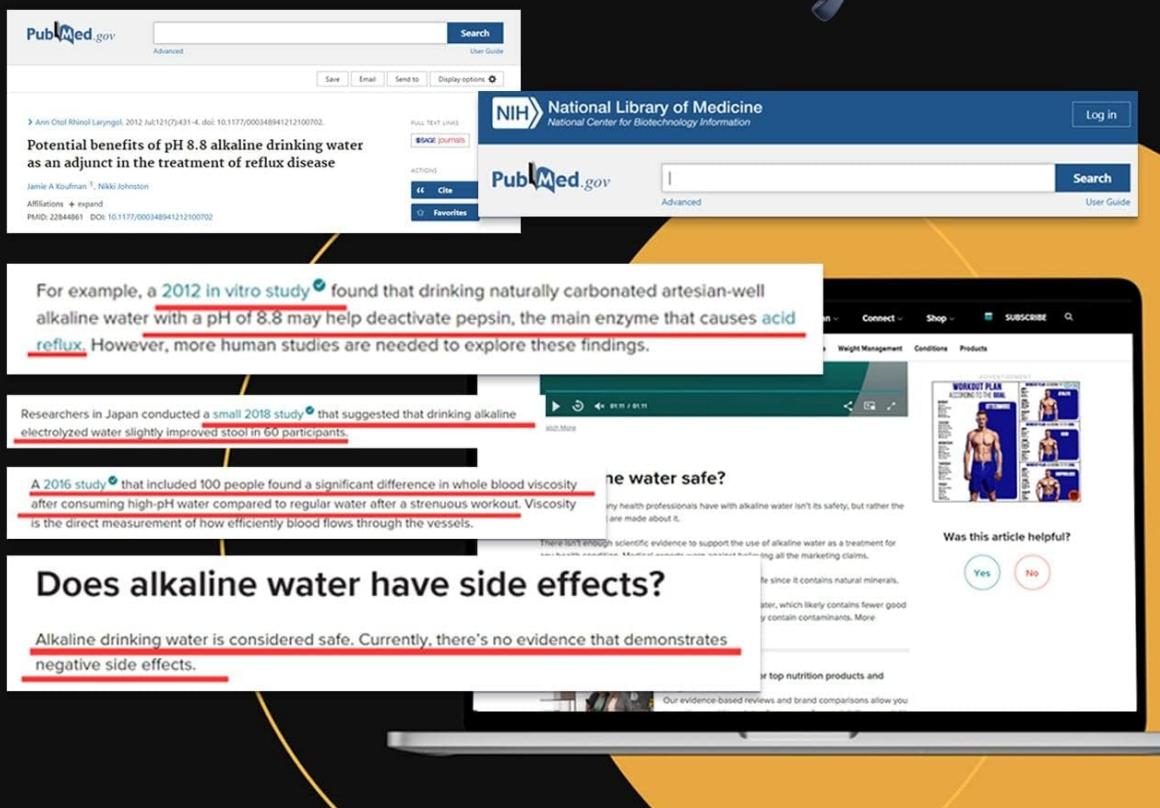


Figure 2.4: Explanation of why alkaline water is beneficial, including properties like optimal hydration and antioxidant effects.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package before beginning installation.

PX500-A RO system (with 3 filter cartridges loaded)

Delicate 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
Plumber Tape	x1
1/4" Quick Fitting	x1



Stainless Steel - brushed nickel finish faucet

Matte black Faucet available now (B08PV3WP3Z) —

Figure 3.1: All components included in the PX500-A RO system package.

- PX500-A RO System Unit (with 3 filters loaded)
- Delicate Faucet
- Drain Saddle
- Feed Water Valve
- Converter Set
- 1/4" White Tubing
- 1/4" Red Tubing
- 3/8" White Tubing
- Plumber Tape
- 1/4" Quick Fitting
- User Manual (this document)

4. SETUP & INSTALLATION

The Frizzlife PX500-A system is designed for easy DIY installation. Follow these steps carefully. It is recommended to watch the official installation video for visual guidance.

4.1 Pre-Installation Checklist

- Ensure you have adequate space under your sink for the unit (Dimensions: 35.56 x 12.7 x 45.72 cm).
- Confirm all package contents are present.
- Gather necessary tools: adjustable wrench, drill (if drilling a new faucet hole), screwdriver, utility knife.
- Turn off the cold water supply to your sink.

4.2 Installation Steps

1. **Install the RO Faucet:** If you don't have an existing hole, drill a 1-inch hole in your countertop or sink. Secure the new faucet using the provided hardware.
2. **Connect the Feed Water Adapter:** Locate your cold water supply line under the sink. Install the feed water adapter (T-valve) to divert water to the RO system. Ensure a tight seal using plumber's tape.
3. **Install the Drain Saddle:** Choose a suitable location on the drain pipe (above the P-trap). Drill a 1/4-inch hole and secure the drain saddle.
4. **Connect Tubing:**
 - a. Connect the **red tubing** from the feed water adapter to the "IN" port on the PX500-A unit.
 - b. Connect the **white tubing (1/4")** from the "RO" port on the unit to the RO faucet.
 - c. Connect the **black tubing** from the "DRAIN" port on the unit to the drain saddle.
5. **Place the PX500-A Unit:** Position the unit upright under the sink.
6. **Connect Power:** Plug the power adapter into a standard electrical outlet.
7. **Flush the System:** Turn on the cold water supply. Open the RO faucet and let the water run for 15-30 minutes to flush the system and remove any carbon fines. Close the faucet.

INSTALLATION DIAGRAM

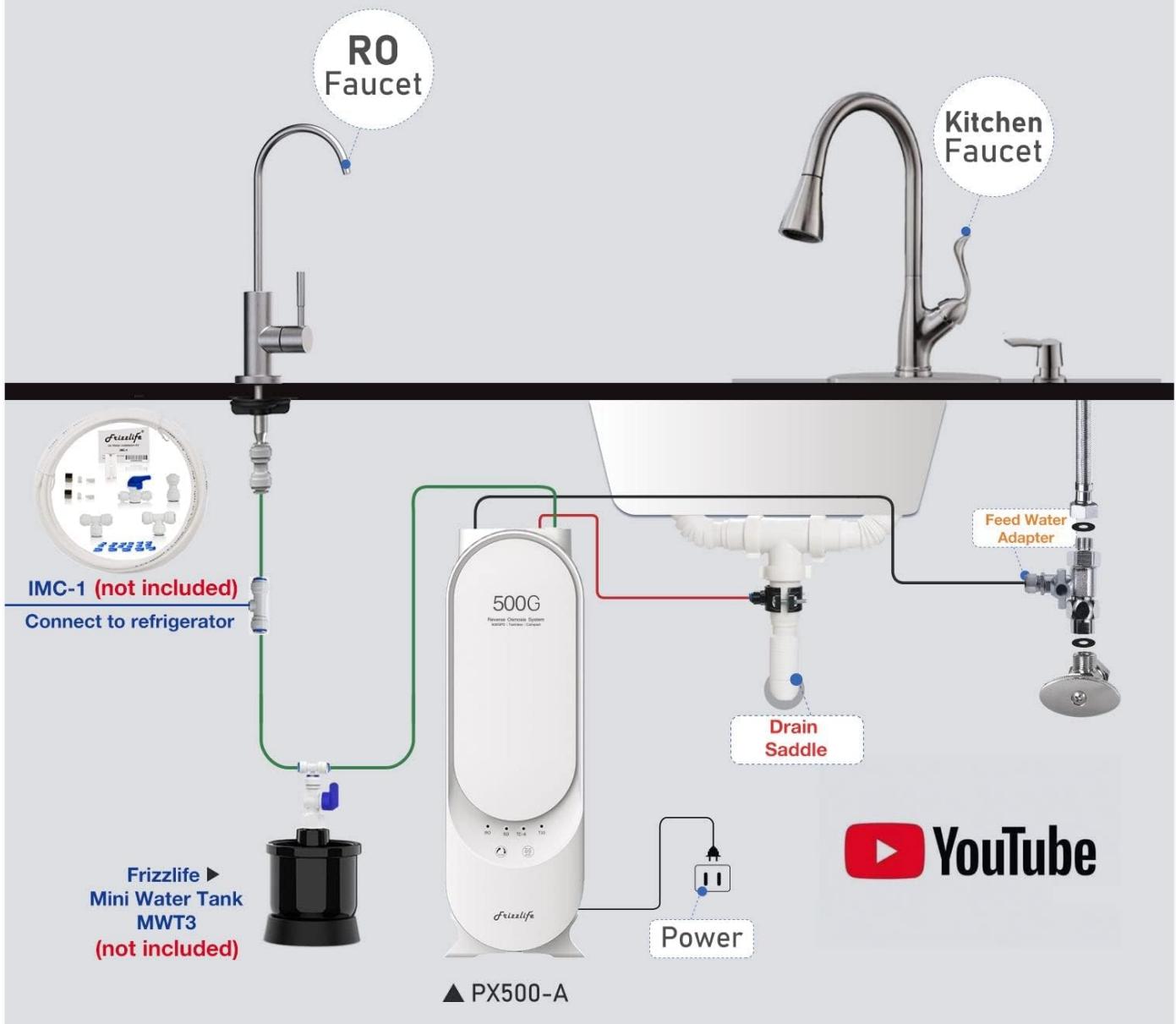


Figure 4.1: Comprehensive diagram illustrating the connection points for the Frizzlife PX500-A system, including the RO faucet, kitchen faucet, drain saddle, feed water adapter, and power connection. Optional connections for an ice maker (IMC-1) and mini water tank (MWT3) are also shown.

For a detailed visual guide, please refer to the official Frizzlife installation video available on their website: www.frizzlife.com



Figure 4.2: Optional mini tank connection (MWT3, sold separately) to provide more stable water flow and eliminate initial lag.

5. OPERATION

5.1 Dispensing Water

To dispense purified water, simply open the dedicated RO faucet. The system will automatically activate and begin producing water. The flow rate is approximately 0.4 GPM (gallons per minute) at 60 psi.

5.2 Indicator Lights

The control panel on the front of the unit features indicator lights to provide system status and filter life information:

- **Blue Light:** Indicates normal operation and good filter status.
- **Red Light:** Indicates that a filter needs replacement. The system may also emit an audible beep.



Figure 5.1: The filter life monitor on the PX500-A unit, showing blue for good status and red for filter change required.

6. MAINTENANCE

6.1 Filter Replacement Schedule

Regular filter replacement is crucial for maintaining optimal system performance and water quality. The system's filter life monitor will alert you when a filter change is necessary.

Table 6.1: Recommended Filter Replacement Schedule

Filter Stage	Filter Model	Replacement Frequency
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Filter Stage	Filter Model	Replacement Frequency
1st Stage (PPC)	ASR311	Every 6 months
2nd Stage (RO Membrane)	ASR313-500g	Every 2 years
3rd Stage (Post-Alkaline)	ASR313-A	Every 1 year

6.2 How to Replace Filters

Filter replacement is a quick and simple process:

1. Turn off the water supply to the RO system at the feed water adapter.
2. Unplug the power adapter from the electrical outlet.
3. Locate the filter cartridge to be replaced.
4. Twist the old filter cartridge counter-clockwise to unlock and remove it.
5. Insert the new filter cartridge, aligning the arrows, and twist clockwise to lock it into place.
6. Turn on the water supply and plug in the power adapter.
7. Flush the new filter by running water from the RO faucet for a few minutes as per the filter's specific instructions.



Figure 6.1: Overview of the quick filter change process and estimated filter lifespans for ASR 311, ASR 312-500G, and ASR 313-A filters.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Frizzlife PX500-A system. If the problem persists, please contact customer support.

Table 7.1: Common Troubleshooting Scenarios

Problem	Possible Cause	Solution
No water flow or very slow flow	<ul style="list-style-type: none"> • Water supply turned off • Clogged filters • Low incoming water pressure • Air in the system 	<ul style="list-style-type: none"> • Ensure feed water valve is fully open. • Check filter life indicators; replace filters if red. • Verify household water pressure (min. 40 psi recommended). • Flush the system by running water for a few minutes.

Problem	Possible Cause	Solution
System beeping with red light	Filter replacement needed	Identify which filter light is red and replace the corresponding filter.
Water tastes bad or unusual	<ul style="list-style-type: none"> • New filters not flushed properly • Filters need replacement • Contamination after RO membrane 	<ul style="list-style-type: none"> • Flush the system thoroughly. • Check filter life indicators; replace filters. • Ensure all connections are secure and no leaks are present.
Leaking from connections	Loose fittings or improper installation	Turn off water supply, check all tubing connections and fittings for tightness. Ensure O-rings are properly seated.
Loud noise during operation	<ul style="list-style-type: none"> • Normal pump operation • Air in the system • Unit not stable 	<ul style="list-style-type: none"> • A slight hum is normal. • Flush the system to remove trapped air. • Ensure the unit is placed on a flat, stable surface.

8. PRODUCT SPECIFICATIONS

Table 8.1: Frizzlife PX500-A Technical Specifications

Attribute	Detail
Model Number	PX500-A
Brand	FRIZZLIFE
Color	White
Dimensions (L x W x H)	35.56 x 12.7 x 45.72 cm (14 x 5 x 18 inches)
Item Weight	500 g (approx. 1.1 lbs)
Capacity	500 Gallons Per Day (GPD)
Material	BPA-Free
Special Features	TDS Reduction, Tankless Design, Remineralization
Purification Method	Reverse Osmosis, Alkaline
Installation Type	Under Sink
Power Source	Electric Cord
Flow Rate	0.4 GPM @ 60 psi

— start your pure life with water

CHOOSE SUITABLE FOR USE



PD600 TAM3

Capacity	600 GAL/ PER DAY
Flow rate	0.48 GPM @ 77°F
Filter stage	2 build-in filters + 1 post alkaline filter
Filteration layers	7
TDS display	Embedded TDS display
Remineralize Alkaline water	✓
Size	5.5" *14.7" *15.5" + 5" *5" *13.5"

PX500-A

Capacity	500 GAL/ PER DAY
Flow rate	0.4 GPM @ 77°F
Filter stage	3 build-in filters
Filteration layers	8
TDS display	
Remineralize Alkaline water	✓
Size	5.5" *14.2" *17.7"

PX500

Capacity	500 GAL/ PER DAY
Flow rate	0.4 GPM @ 77°F
Filter stage	3 build-in filters
Filteration layers	7
TDS display	3rd party TDS meter
Remineralize Alkaline water	✓ (if switch the 3rd stage to ASR313-A)
Size	5.5" *14.2" *17.7"

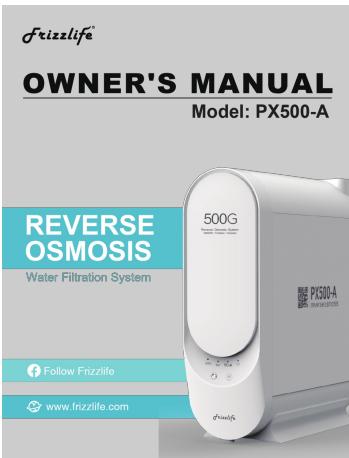
Figure 8.1: Comparison of Frizzlife RO systems, highlighting the PX500-A's specifications.

9. WARRANTY AND SUPPORT

Frizzlife is committed to providing high-quality products and customer satisfaction. For warranty information, technical support, or to purchase replacement filters, please visit the official Frizzlife website or contact their customer service team.

Website: www.frizzlife.com

Please have your model number (PX500-A) and purchase date ready when contacting support.

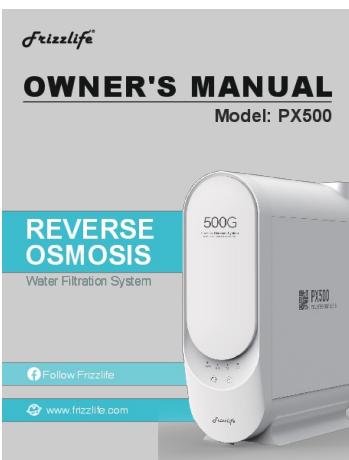


[\[pdf\]](#) User Manual Owner's Manual Frequently Asked Questions Warranty

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OWNER S MANUAL Model: **PX500-A** REVERSE OSMOSIS Water Filtration System
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PRODUCT INTRODUCTION 2 3. SAMPLE CONNECTION 2 4. INSTALLATION TIPS
3 5. INSTALLATION STEPS 4 6. FIRST TIME USAGE 9 7. USER INTERFACE 9 8.
REPL...

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[Frizzlife PX500 Reverse Osmosis Water Filtration System Owner's Manual](#)

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Frizzlife PX500 Reverse Osmosis Water Filtration System.

lang:en score:40 filesize: 3.85 M page_count: 22 document date: 2021-03-18