Frizzlife®

OWNER'S MANUAL

Model: PD600-TAM3

CONTENT

1

2. PRODUCT INTRODUCTION 2

3. SAMPLE CONNECTION 2

4. INSTALLATION TIPS 3

5. INSTALLATION STEPS 3

6. FIRST TIME USAGE 9

7. USER INTERFACE 9

8. REPLACEMENT OF FILTER CARTRIDGE 11

9. FILTER REPLACEMENT INSTRUCTION 12

10.HOOK UP TO YOUR REFRIGERATOR/ICE MAKER 13

11.MINI TANK AVAILABLE NOW 14

12. MAINTENANCE 15

13. TROUBLE SHOOTING 16

14. FREQUENTLY ASKED QUESTIONS 18

15. LIMITED PRODUCT WARRANTY 19

Thank you for purchasing Frizzlife PD600-TAM3 reverse osmosis undersink filter system with 600G RO membrane. If you have any questions or need any assistance, please contact: support@frizzlife.com

Find the installation video

Video

- Scan the QR code to direct to video page
- Search 'Frizzlife PD600-TAM3 installation' in www.youtube.com

INSTALLATION INSTRUCTION

1. Before Installation

▶Inspect Box

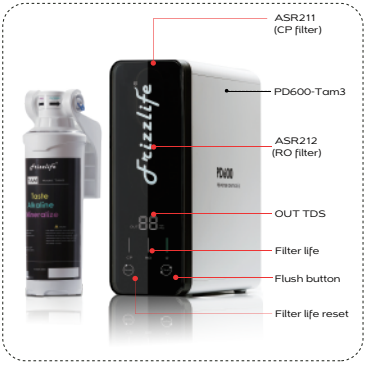
Open the box and take out the system and all the components. Inspect them carefully according to 'Product Introduction' and make sure nothing is missing or damaged during shipping. If any parts are cracked or broken, please do not proceed with the installation and contact Frizzlife for an exchange or diagnosis.

▶Technical Parameters

Model	PD600-TAM3	Operating temp	Min.39°F,Max 100°F
Rated Frequency	50-60HZ	Rated Power	85W
Flow rate	0.41 gallons/m	Rated Voltage	110-240VAC
Working pressure	Min.20psi Max. 80psi	Daily Production Rate	600 gallons
Applicable water source	Municipal water		

2. Product Introduction

▸ Front



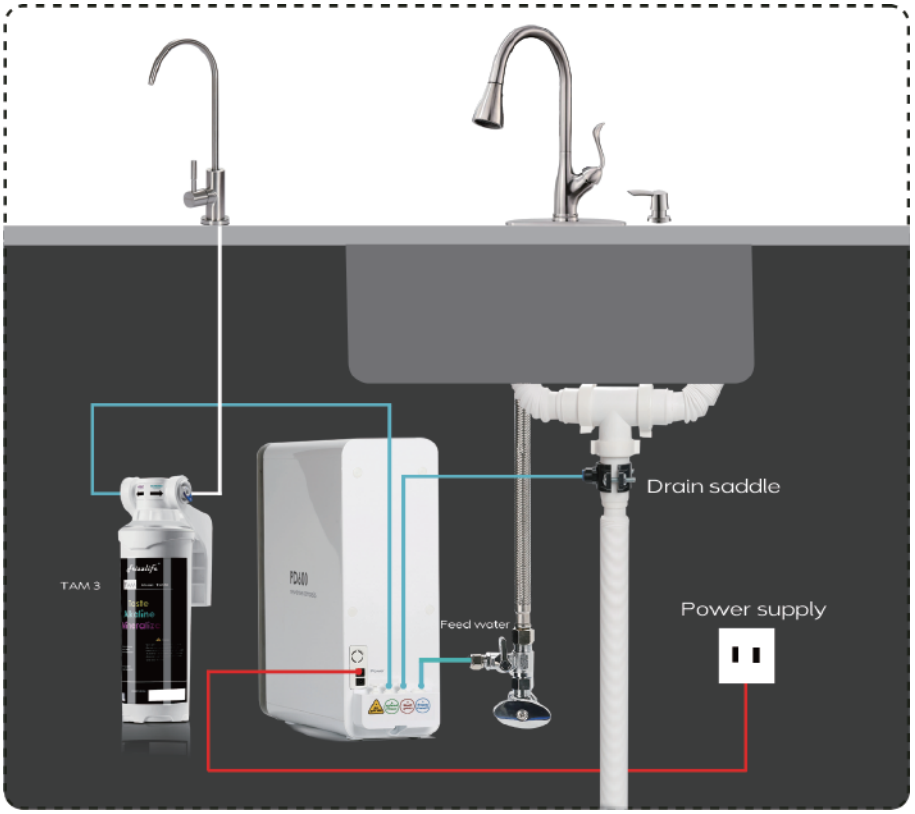
▸ Back



▸ Accessories:

- 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
- TAM 3

3. Sample Connection



4. Installation Tips

▸ How to cut the tubing?

Please cut the tubing into two sections in proper length, make sure cut them squarely and cleanly.

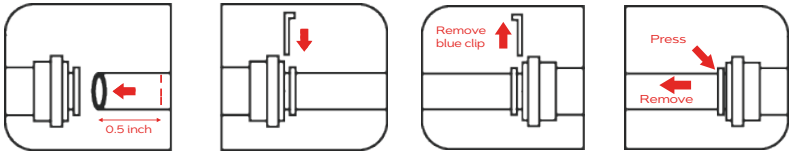
▸ How to connect/disconnect the tubing?

To connect: please push the tubing into the fitting and make sure it is fully inserted. Then put the blue lock clip on the fitting, it will lock the tubing in place.

To disconnect: please remove the blue lock clip from the fitting, push in the lock sleeve, and then pull out the tube from the fitting

To disconnect: please remove the blue lock clip from the fitting, push in the lock sleeve, and then pull out the tube from the fitting

Note: if the tubing is not fully inserted, water leakage may occur, Pulling out the tubing directly will damage the fitting, which may also cause water leakage.



▸ How to drill a hole on my sink (Optional)

Note: Please remember to wear safety glasses to protect your eyes before proceeding.

Use a metal bit to drill. The recommended diameter of the hole is 1/2”

5. Installation Steps

Precautions:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection.
- Testing was performed under standard laboratory conditions, actual performance may vary.
- For cold water use only.
- This filter must be protected from freezing, which can cause cracking of the filter and water leakage.
- Do not allow children under 3 years of age to have access to small parts during installation.
- The installation must comply with all applicable state and local regulations.

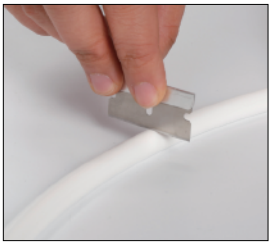
Step 1: Cut and Soften the 3/8" tubing

- Please cut the 3/8" tubing in proper length, make sure cut them squarely and cleanly. (Fig.1)



- Put one end of tubing into boiled water for 5 seconds to soften itself.(Fig.2)

▸ Fig.1



▸ Fig.2

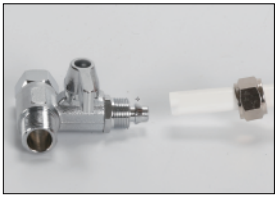


Step 2: Connect three-way feed water valve (3/8" or 1/2")

- Load the 3/8" tubing through the nut. (Fig.3)
- Connect the end of 3/8" tubing that has been softened into the 3-way feed water valve. Make sure push and squeeze the tubing to the very end.(Fig.4)
- Use a wrench to tighten the nut, please do not over tighten. (Fig.5)

Note: If the cold water pipe is 1/2", please connect one part of converter to the angle valve and connect another part of converter to the pipe before proceeding to the next step. (see Fig.6)

▸ Fig.3



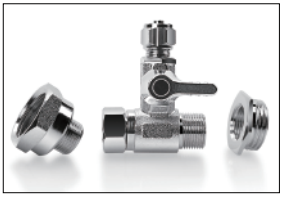
▸ Fig.4



▸ Fig.5



▸ Fig.6



Step 3: Connect the water supply (COLD WATER ONLY)

- Shut off the water supply. (Fig.7)
  Disconnect the cold water pipe from angle valve.
- Twist the feed water valve onto the angle valve and make sure the O ring is loaded. (Fig.8)
- Connect cold water pipe onto the feed water valve. (Fig.9)
  Valve installation complete.

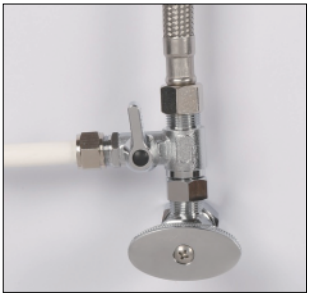
▸ Fig.7



▸ Fig.8



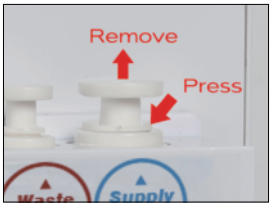
▸ Fig.9



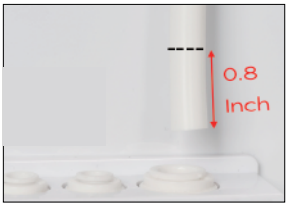
Step 4: Connect the "SUPPLY" water tubing

- Remove all the plugs by pressing the fitting sleeves (Fig.10)
- Connect the other end of 3/8" tubing into "Supply" port on the back of the system, make sure to insert the tubing about 0.8 inch to the end of the fitting. (Fig.11)
- Put the lock clip on the fitting to secure the connection. (Fig.12)

▸ Fig.10



▸ Fig.11



▸ Fig.12



Step 5: Install the drain saddle

- Disassemble the drain saddle, and peal off the black sticker and stick to saddle valve (Fig.13)
- Choose a spot on the drain pipe that is convenient for installing the drain saddle. It is recommended to install the drain saddle on the vertical drain pipe. (Fig.14)
- Drill a 1/4" hole in the drain pipe. Make sure not to penetrate the opposite side of the pipe. (Fig.15)
- Mount the drain saddle and tighten the screws with a screw driver (Fig.16)
- Insert the 1/4" tubing to the drain saddle about 1.4", and lock the fitting with a blue clip (Fig.17)

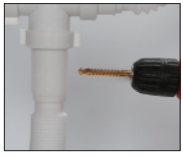
▸ Fig.13



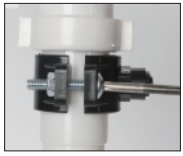
▸ Fig.14



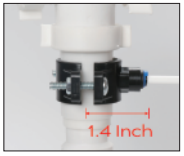
▸ Fig.15



▸ Fig.16



▸ Fig.17



Step 6: Connect the "WASTE" water tubing

- Insert the other end of 1/4" tubing into the "Waste" port on the back of the system.（Fig.18, Fig.19）

▸ Fig.18



▸ Fig.19



Step 7: Connect the "FILTERED" water tubing

- Cut another 1/4" tubing in proper length. Insert one end into the "Filtered" port on the back of the system and connect the other end to the TAM3 filter. (Fig.20)

- Fig.20



⚠ Note: Please make sure the tubings are fully inserted, otherwise may result in water leakage.

Step 8: Connect TAM3 filter

- Remove the small blue clip on the "SUPPLY" end and connect the 1/4" tubing on it , make sure it hits the bottom of the fittings. (Fig.21)
- Put back and lock the blue clip. (Fig.22)
- Cut a 1/4" tubing again. Connect the "FILTERED" end with another tubing in the same way. (Fig.23)

⚠ Note: Please note that the elbow fitting is not a must for the installation, you don't have to use the elbow fitting if it's not necessary

- Fig.21



- Fig.22



- Fig.23

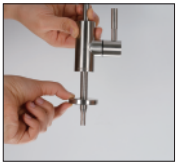


Step 9: Installation the drinking faucet

⚠ Note: If your counter top or granite does not have an existing hole, please drill one (1/2") before proceeding.

- Follow the steps below and mount the faucet onto the sink top. (Fig.24, Fig.25, Fig.26)
- Mount the rubber and fasten the hand fixture underneath(Fig.27, Fig.28, Fig.29)
- Connect the other end of 1/4" tubing from the "FILTERED" of TAM3 into the 1/4" quick fitting.(Fig.30, Fig.31, Fig.32)

▸ Fig. 24



▸ Fig. 25



▸ Fig. 26



▸ Fig. 27



▸ Fig. 28



▸ Fig. 29



▸ Fig. 30



▸ Fig. 31



▸ Fig. 32



Step 11: Connect the power cord

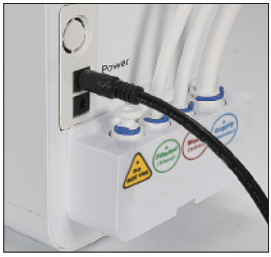
- Turn on the angle valve and 3-way feed water valve. Check for leaks. (Fig.33)
- Insert the DC head of the power adapter into the "POWER" port on the back of the system. (Fig.34)

Note: It is important to turn on the water supply first then connect the power supply!

▸ Fig. 33



▸ Fig. 34



6. First time usage

▸

plugged

⚠ Note: For the first time usage,TDS result will not show up until the system has kept producing water for 1 minute.

⚠ Note: When the system keeps producing water continuously for 30 minutes, the system will enter into protection status and all the components stop working. The indicators will flash in red. In this condition, please unplug the power for 10 seconds and then power on again.

⚠ Note: Please fully open the drinking faucet when dispensing water. Otherwise, it may cause system to malfunction（Fig.35, Fig.36）

▸ Fig.35

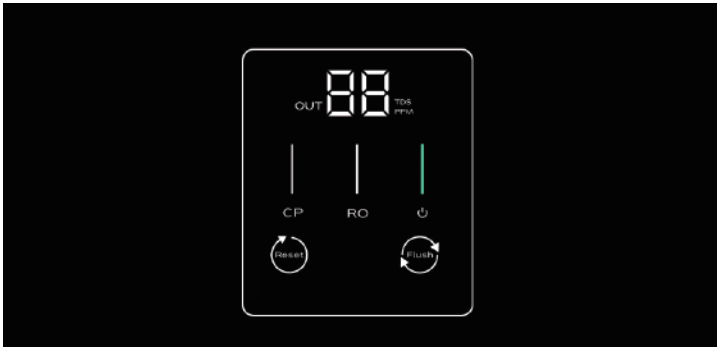


▸ Fig.36



7. User Interface

▸ Fig.37



Power-on

When the system is powered on, you will hear a beep. All indicators will be on for 3 seconds, and then the system will automatically flush for 30 seconds. After flushing, if there is no water production, it will turn into standby status.

Water production

When the system is producing water, the power indicator will flash in blue.

TDS display

When the system is powered on and keeps producing water for 1 minute, the system will automatically test the TDS of RO water. The TDS reading will be unchanged if the system is in standby status or is being flushed.

Filter life indicator

Different colors suggest different remaining lifespan:

A.Indicator constant lit in white/blue the filter is normally working

B. Indicator flashed in red: the filter lifetime is about to be expired (remaining lifespan<5%)

C. Indicator constant lit in red: the filter is expired

Note: If the filter is expired, the buzzer will keep beeping when producing water to remind users of replacing filter. Filter life may vary depending on source water quality and water usage.

Long-time operation reminder

When the system keeps producing water continuously for 30 minutes, the system will enter into protection status and all the components stop working. The indicators will flash in red. In this condition, please unplug the power for 10 seconds then power on again.

Automatic flushing

A.Flushing when powered on: when powered on, the system will be automatically flushed for 30 seconds.

B. Flushing when cumulative water production reaches 10 minutes: If the cumulative water production reaches 10 minutes, after returning into standby status, it will be automatically flushed for 10 seconds.

C. Flushing when constant water production: if the system constantly keeps producing water for 10 minutes, it will be automatically flushed for 15 seconds.

D.Flushing when in standby status: When the system is in standby status, it will automatically flushed for 18 seconds every 6 hours.

Manual flushing

When the system is in standby status, press the “Flush” button, the system will start flusing. Press the “Flush” button again to stop.

⚠ Note: When the system is being flushed, the indicator will flash in blue.

Reset button

A. Select filter: when the system is powered on, long press the "Reset" for 3 seconds, the buzzer will beep and you can start to select the filter you want to change. Press "Reset"button to change between the filters and the selected filter lifetime indicator will flash.

B. Reset: after selecting the filter, long press "Reset" button for 3 seconds. You will hear a beep. The selected filter”s indicator will return to blue light, which means the filter is successfully reset. If you do not operate within 10 seconds, it will automatically exit this mode and resume normal display

C. Revocation of reset: select the wrong-operated filter, long press "Reset" and "Flush" buttons for 3 seconds. The buzzer will beep for 3 times. The filter indicator will return to the color status before reset. (Note: the reset can be revoked within 5 minutes. If the system is powered off after the reset, the revocation will be invalid.).

8. Replacement of Filter Cartridge

- The replacement filter cartridges are: PP+CB 2-in-1 filter and RO membrane
- Please replace filter cartridges regularly according to the recommended replacement period shown below.

Position	Filter	Model Number	Recommended Replacement Period
1st stage	PP+CB 2-in-1 filter	ASR211	One year or cumulative water production for 60 hours(around 900-1000gal)
2nd stage	RO membrane	ASR212-600G	Two years or cumulative water production for 120 hours(around 1800-2000gal)
3rd stage	Alkaline remineralization filter	TAM3	around 900-1000gal

⚠ Note: All the service life of the filter cartridge listed are based on actual laboratory test and the provided water. The actual service life of filter cartridge depens on source water quality and daily water usage.

9. Filter Replacement Instruction

Step 1: Cut off the power and turn on the water faucet to release water pressure

- Cut off the water supply and power when start to replace the filter. (Fig.38, Fig.39)
- Remove the front cover (Fig.40)
- Unscrew the cartridge needs to be replaced counter clockwise. (Fig.41) Screw the new cartridge clockwise into the system.

▸ Fig.38



▸ Fig.39



▸ Fig.40



▸ Fig.41



If you are going to replace TAM3 filter:

- You dont' need to cut off the water supply , since it adopts auto shut off design, Twist the housing counter clockwise. (Fig.42)
- Use a wrench to unscrew the housign body.(Fig.43)
- Take out the old cartridge and load with the new one, then install back in the same way.(Fig.44)

▸ Fig. 42



▸ Fig. 43



▸ Fig. 44



Step 2: Reset the filter lifetime

Long press the “Reset” button for 3 seconds, the buzzer will beep and you can start to select the filter you want to change. Press “Reset” button to change between the filters and the selected filter lifetime indicator will flash.

After selecting the filter, long press “Reset” button for 3 seconds. You will hear a beep. The selected filter’s indicator will return to blue light, which means the filter is succsessfully reset. If you do not operate within 10 seconds, it will automatically exit this mode and resume normal display.

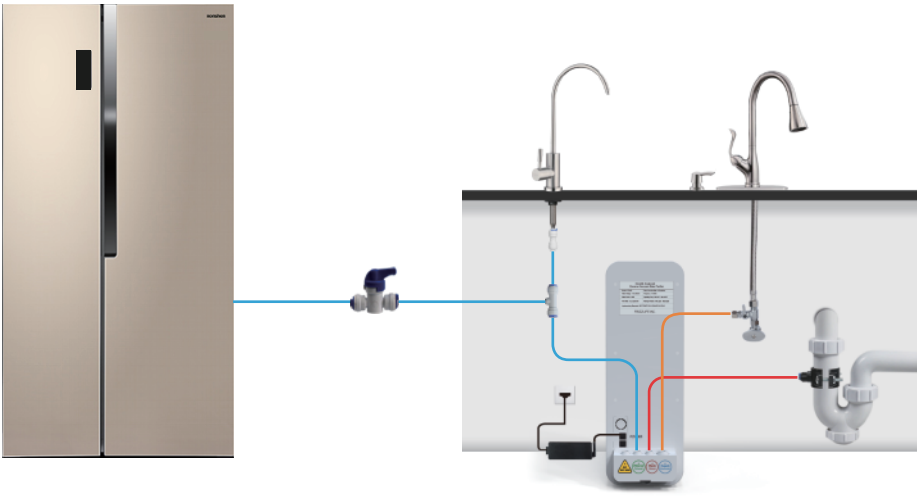
Step 3: Flush the filter

Turn on the faucet to discharge the filtered water. If you replace the RO membrane, please do not use the water in the first 20 minutes. If you replace other cartridges, please do not use the water in the first 10 minutes.

10.Hook Up to Your Refrigerator/Ice Maker

- The PD600 system can be connected with your refrigerator/Ice-maker by utilizing an extra IMC-1 ice maker connection kit (not included). Simply search “Frizzlife IMC-1” or Asin# “B07R7NH55L” on Amazon, or scan the QR code to purchase.





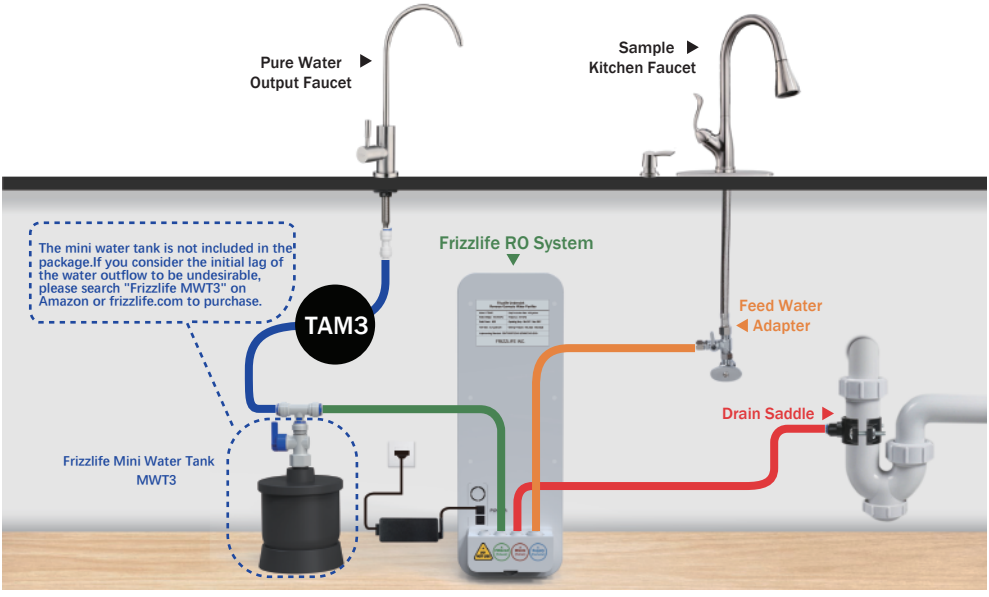
11.Mini Tank Available Now!

Note: That since the tankless RO system produces instant fresh pure water to the faucet, there would be approximately 0.5-1 second of time lag for water outflow.

Frizzlife now offer a perfect solution
-- Frizzlife MWT3 mini water tank --
if you are encountering the following problems of tankless RO systems:

1.If you consider the lagging outflow to be undesirable.
2.If you are encountering the constant on and off issue of the system pump due to unstable/lack of water pressure.

Simply search "Frizzlife MWT3" on Amazon,
or frizzlife.com, or scan the QR code to purchase.



12. Maintenance

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection.

If you don't use the system for a long time:

A.If the system has not been used for more than 2 days, please turn on the faucet and discharge the filtered water at least 5 minutes before usage.

B. If the system will be not used for more than 1 week, please seal the filter cartridges and store them in the refrigerator but do not put them in the freezer. Discharge filtered water for at least 10 minutes before next time usage.

C. If the system will be not used for a long time, please cut off the water supply, cut off the power and turn on the handle of the faucet to release the internal pressure and avoid damage to the system.

- Please replace the filter cartridge regularly according to the filter life indicator.
- The testing was performed under standard laboratory conditions, acual performance may vary depending on the source water quality and water usage. In case of premature blockage and failure of the filters, it is recommended to replace the filter in accordance with actual usage.
- Clean the system with clear water. Do not spray the water directly. Do not use steel wool , abrasive cleaner or corrosive liquid into the filter to avoid damage to the filter system.
- Keep the waste water pipe unobstructed to avoid damage to the filter or internal components.
- When the drain pipe is blocked, do not use the system (please turn off the power) to avoid the waste water from soaking the floor.
- Check the system and water pipe fittings regularly for water leakage to avoid any property damage.
- Regularly check whether the power supply and wires are damaged or loose to avoid major accidents caused by electric leakage.

13. Trouble Shooting

Fault	Possible Cause	Solution
No water out of faucet	The system is not connected to the power adapter or the connection is loose.	Please check if the adapter is connected properly.
	Cold water valve, 3-way feed water valve or the faucet is off.	Please open the valves.
	Lifetime of the filter cartridge is expired.	Please replace the filter cartridge or contact customer service team.
	Connection of pipeline is incorrect.	Please check the pipelines and make sure the connection is correct.
Low water flow	Filter is blocked.	Please replace the filter according to the instruction.
	Water pressure is low, or water supply is insufficient.	Please contact customer service team
	PE pipes are bent.	Please check PE pipes.

13 . Trouble Shooting

Fltered water in poor quality	Lifetime of the filter cartridge is expired.	Please replace the filter according to the instruction.
	The system has been off work for more than 2 days.	Please discharge water for 5 minutes before usage.
	Quality of feed water is too bad.	Please ensure the water source is municipally treated water or has been property disInfected prior use.
Water leakage	Pipes or filters are not installed properly.	Please reinstall the system according to the Please contact customer service team.
	The O rings are missed.	Please contact customer service team.
	Other components are damaged	Please contact customer service team.
Unchanged filter lfetime indicator	Electronic controller or display panel is damaged.	Please contact customer service team.
System is unstoppable for a long time after turning off the faucet	The circuit board is boken.	Please contact customer service team.
	The high pressure switch is broken.	Please contact customer service team.
	The.“FILTERED water” tubing is mistakenly inserted into 'WASTE' port.	Check the system, water pipe fittings and connections, or contact customer service team.
	Filter is blocked.	Please check If the 'FILTERED' tubing and 'WASTE' tubing were in the right place.
	Feed water Is cut off.	Please disconnect the power and wait for water supply recovery.
Examination indicator lights or flashes in red. or the beezer keeps beeping	Leakage detection system is abnormal.	Please contact customer service team.
	System is leaking.	Check the system, water pipe fttings and connections, or contact customer service team.
	The button is misoperated.	Please operate the button according to the instruction.
Button fallure	The button is damaged.	Please contact customer service team.

Indicators on user interface disappear	The system is not connected tothe power adapter or the connection is loose.	Please check if the adapter is connected properly.
	The panel is damaged orit' s cable is loose.	Please contact customer service team.
System is not turn on after power on	Wrong power source	Maybe you have plugged the power cord into the socket specially designed for garbage disposal, please change another socket.

14. Frequently Asked Questions

Q: Why there are many white bubbles in the water?

Normally for the first time use of the RO system, the water seems to have white bubbles in it, which is normal and totally drinkable. It is because when the pump is pressurizing the water. it will pressurize the air at the same time. It will make the air molecules smaller, thus the solubility further increases.' The air can' t be released at that time because of the pressure in the RO system. However, when you turn on the tap to get a cup of water. the pressure of air is released. So you will see a huge number of bubbles in the water. It looks cloudy and white, but they are just bubbles. After you put the water still for a while, all bubbles will be gone, the water is totally good for drinking.

Q: Why TDS is higher at the beginning, but back to normal range one minute?

Osmosis is a natural phenomenon happens in all RO system, no matter if you have a conventional RO system or tankless RO system. When the RO system starts to work, pressure from the pump overcomes natural osmotic pressure, forcing feed water through the RO membrane that removes the impurities. When the RO system stops working, the pump stops offering pressure as well. At that time, because of different concentrations, a small fraction of ions will enter into pure water and cause TDS to rise by a small amount. However, even if the TDS reading is a lttle high at the beginning, the quality water is still unbeatable by any other filtration methods including carbon, KDF, ceramic, UF, UV, etc.. The water is totally good to drink and you don' t have to wait for about 1 minute to get the water, since the whole system will not release any harmful substances to the water. The TDS removing rate for PD600 is about 94-95%, if your incoming TDS is high, the outlet TDS will be high too.

Q: Why does TDS tester pen show hlgher result than the TDS number dlisplayed on the PD600?

It is because the TAM3 filter. the post filter. adds the minerals to the waler. Normally the TAM3 will increase the TDS by 10-30 ppm. If the system hasn' t been used for a while, the TAM3 will restore more minerals to the water. and at that time the water is very good, the PH level will be more than 9.

Q: How does the TDS display on the machine work?

When the system is running, the TDS sensor in the PD600 will keep testing the water quality every 1 minute. Therefore, the TDS result you see from the machine is from the last test memory. If you want to have the real-time TDS result, please let the machine run for about 1 minute.

Q: If I don' t want to use the TAM3, how should I disconnect it ?

You don' t have to disconnect the tubing and the fttings on the TAM3. You only need to unscrew the TAM3 filter and the water still can go through.

Q: My granite is thicker than 1.5 inch and the faucet stem is not long enough, what should I do?

Please feel free to contact us to claim for a longer thread stem. Simply email us your order ID, full name, shipping aiddress and contact phone nuimber for delivery. We wilill arrange the shipment for you ASAP.

Q: Why the system does not work after connecting the power cord?

Maybe you have plugged the power cord into the socket specially designed for garbage disposal, please change another socket

15. Limited Product Warranty

Reverse Osmosis Undersink Water Filter System
Warrantor: FRIZZLIFE INC

ONE YEAR LIMITED FRIZZLIFE WARRANTY
The Frizzlife PD600-TAM3 undersink reverse osmosis units are warranted to the original purchaser.
To be free of defects in material and workmanship by Frizzlife INC, Frizzlife will replace or repair components of the unit that Frizzlife has deemed to be broken within the limits of the warranty without charge. The customer is not responsible for any freight involved with shipping the item back for inspection and shipment of replacement items. Frizzlife is not liable for cost of removal, installation, transportation or any other charges in connection with a warranty claim.

1. Frizzlife is not liable for anything that we deem as abuse of the units, including but not limited to, misuse of product outside of intended use, equipment modifications, unauthorized repairs, improper installation, damage from freezing, hot water, fire or other acts of God outside of Frizzlife control.

This warranty will be void if defects occur due to failure to observe the following conditions:

- Incoming water to the the system cannot exceed 100°F.
- Do not use outdoors or in a location that is subjected to direct sunlight or freezing. This warranty will not be effective unless and until the Frizzlife is shown to have been used in accordance with the installation and maintenance instructions accompanying the product.
- **The filter cartridges should be replaced in time according to the recommended replacement period.**
- **The plastic housings should be replaced every 18 months.**

2. **Filter Cartridges are considered as disposable items, thus are not covered by warranty.**
3. **Customer is responsible for proper operation, which includes complete and continual leak inspection.**

- **Most of the unit components are made of plastic and eventually can break or crack from stress.**
- **There are no other warranties which extend beyond what is described above.**

To receive warranty service' please contact Frizzlife at support@frizlife.com

Owner' s Warranty Responsibility:

As a condition of this Limited Warranty, the owner must ensure that periodic maintenance of the system is performed as described in the literature enclosed with the system. Should your unit develop a defect or otherwise fail to perform in accordance with this warranty, you should contact the retailer from whom the product was originally purchased.

⚠ NOTE :

IN CASE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AND IMPLIED WARRANTY LASTS, YOU MAY CHOOSE TO RETURN THE SYSTEM. IF YOU CHOOSE TO KEEP IT, YOU AGREE THAT THE ABOVE LIMITATIONS STILL APPLY TO YOU.