















History of SeaWater Pro, LLC.

SeaWater Pro was founded in 2017 as a small business that now produces some of the highest volume of watermakers in the US! With an aerospace background, SeaWater Pro fulfilled the niche for an affordable, easily maintainable watermaker that did not exist at the time. A SeaWater Pro Watermaker will set you free by giving you water independence.

When considering a watermaker, it is important to keep in mind that other factors come into play, such as energy expenditure, available space, and cost of maintenance. That's why SeaWater Pro offers a variety of watermaker configurations including AC and DC-powered systems, modular as well as portable and compact plug-and-play systems, and standard part sizes that are easily accessible wherever you are in the world.

We make it easy for our customers to stay hydrated wherever their ventures may take them by offering personalized customer support, topnotch service, and quality warranties. For these reasons, SeaWater Proproudly offers the best watermaker on the market!

SeaWater Pro believes you shouldn't have to plan your trip around water!





Why Choose SeaWater Pro Watermakers?

Easy to Use:

Get your system running with just a flip of a switch after the initial setup is complete.

Non-corrosive Electronics:

No worries about systems breaking down or being damaged by natural elements for longerlasting reliability.

Patented Pressure Regulator:

The unique pressure regulator makes for easy flow control and sustainability.

Made in America:

Our warehouse is located in Fort Lauderdale, Florida, and produced by locals like us.

Lightweight and Durable:

Our portable systems are under 50 lbs and can fit in an overhead compartment easily.

Low-cost and Affordable:

Making everything in-house means we can sell our product directly to adventurers for a reasonable cost.

Available in Most Countries:

We offer express shipping with a 21-day money-back guarantee to many parts of the world.

Lead Time:

Seawater Pro Watermakers systems ship within 48 hours from purchase.

Easy to Maintenance:

Parts used in our systems can be bought online or in most hardware stores, which makes acquiring spares or replacements convenient for our customers.

Customer Service:

Seawater Pro prides itself on customer service and customer relations. Our customers speak directly to our sales team, managers, and even the owner!

Variety:

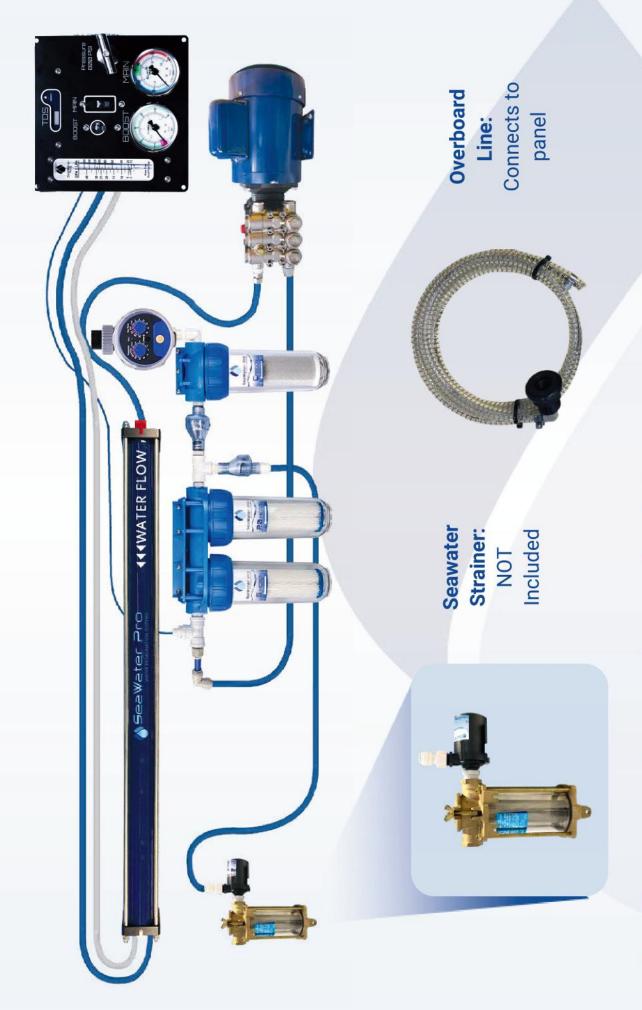
Seawater Pro offers systems in a variety of configurations. From as sizeable as our Dual Membrane System 43" tip-to-tip to our portable Mini Watermaker which can be rolled like luggage, to the compact Piranha system which can fit under your sink, and even smaller with the up-and-coming Mirco system.



TABLE OF CONTENTS

Diagrams	3
Dimensions	7
Inventory List	9
Before Installing	13
General Cautions	14
TDS Monitor	15
Boost Pump Connection	16
Pre-Filters Filter Assembly	19
Pump & Motor Electrical Assembly	21
Electrical Wiring	23
Membrane Assembly	25
Pressure Regulator Set Up	27
Optional Control Panel	29
Start-Up Procedure	31
Shutdown Procedure	32
Rinse Timer	33
Maintenance	35
Winterization	38
Liquid Pickling Procedure	40
Warranty	43
Trouble Shooting	45
Resource Videos	46
Connect With Usl	17

SINGLE MEMBRANE WITH PANEL



*Connect boost pump to strainer to prevent boost pump from clogging.

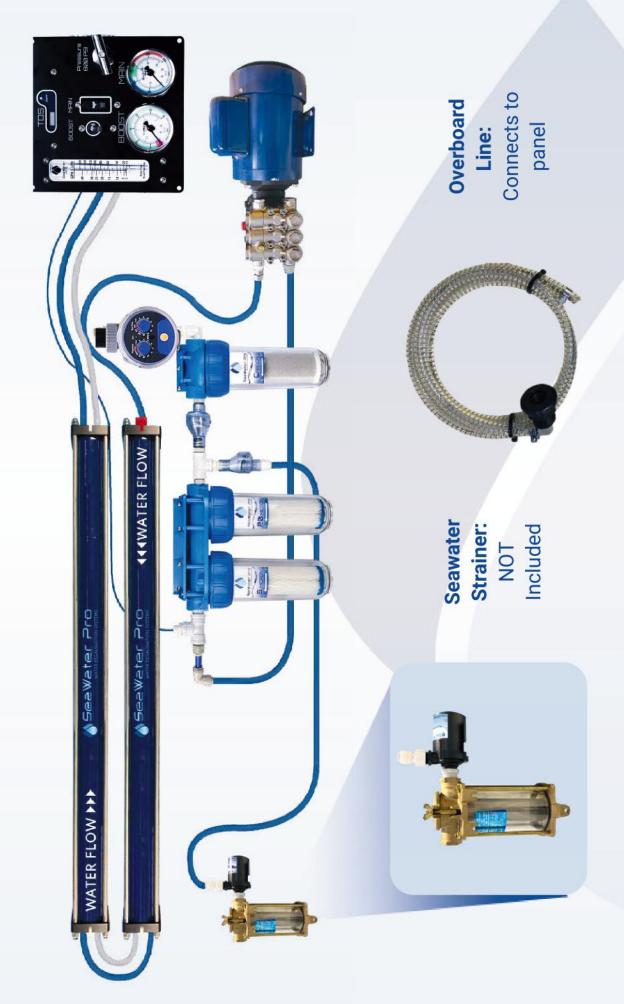


SINGLE MEMBRANE WITHOUT PANEL



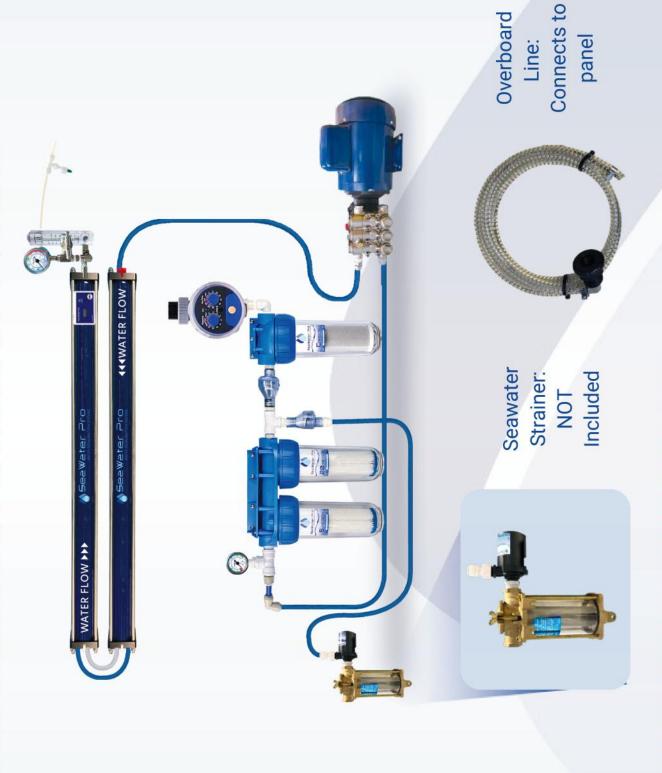


DUAL MEMBRANE WITH PANEL



*Connect boost pump to strainer to prevent boost pump from clogging.

DUAL MEMBRANE WITHOUT PANEL

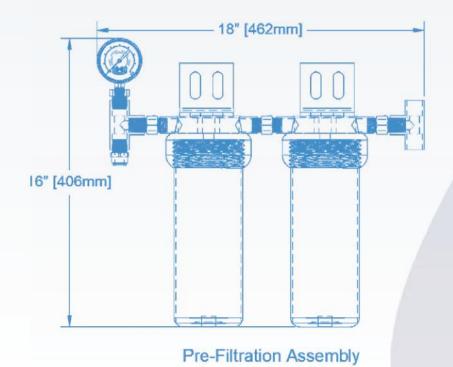


*Connect boost pump to strainer to prevent boost pump from clogging.

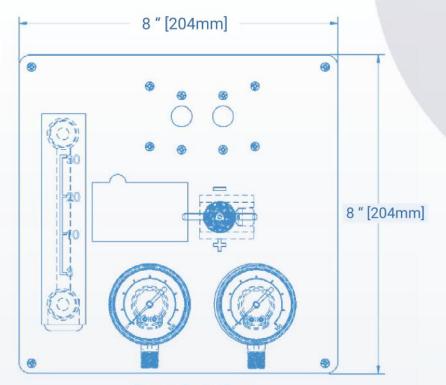




Component Dimensions



Filter Housing Unit



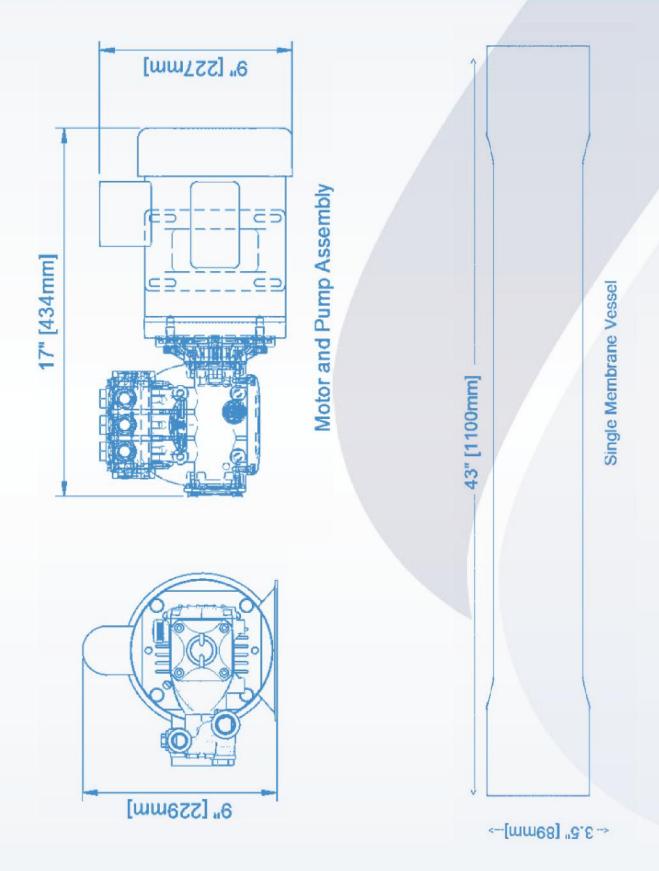
Remote Control Panel

Control Panel
Various colors available.
Dimensions 8x8





Component Dimensions









Raw Water Boost Pump (12v 224vDC, Brush-less Pump) May opperate at 120v-220v AC via optional transformer







Installation Tips





Pre-Filters
5 Micron, 20 Micron &
Carbon Filter



Assembling the Pre-Filters



Automatic Rinse Timer (Requires 2 x AA batteries) (Style may vary)



Rinse Timer Procedure





2 Way Check Valve Assembly



Low Pressure Gauge T Connector
(For Panel Only)



Low Pressure Gauge T Connector
(For No Panel Only)







High Pressure Pump (Style & Color May Vary)





High Pressure Motor
(Style & Color May Vary)







High Pressure Pump Mounting Bolts & Vented Cap / Dipstick



High Pressure Membrane (x2 for Dual Membrane Units)



Replacing the Membrane



Flow Meter (No Panel)
Pressure Regulator
TDS Monitor





Pressure Regulator Maintenance



Rinse Timer Procedure



3" Hex Nipple (No Panel)



Stainless Steel Elbow (No Panel)







6' (2m) High-Pressure Hose (Blue) (Remote option comes with x2 hoses)



3/8" ID Overboard Hose (Clear)



3/8" OD Fresh Water Tubing (White)



1/2" OD Tubing (Blue)



1/4" Panel Low Pressure Tubing (Blue)
(Panel Only)



12" High Pressure Loop Hose (Dual Membrane Only)





REMOTE PANEL OPTIONS

Dimensions 8x8



REMOTE PANEL BLACK



REMOTE PANEL GRAPHITE



REMOTE PANEL WHITE



REMOTE PANEL TEAK







Before Installing

SeaWater Pro would like to congratulate you on your purchase of a new watermaker!

Some tips that we recommend before installing are the following:

- 1. It is recommended that you install and test the watermaker in your hometown before you set sail to a remote location. This will help to ensure that you have all the necessary components you may need for your voyage, including spare fittings, appropriate hose lengths, additional filters, and any other parts that may be difficult to acquire overseas. Many customers leave port and cannot successfully install their systems as they are left with limited resources when sailing. This is especially crucial if you are sailing to the Bahamas as shipping here can be costly, time-consuming, and difficult. Do not make this mistake!
- 2. Do some research! SeaWater Pro offers many helpful Resources to facilitate your installation experience. Before installing we recommend that you review:
 - a. **Manual** This manual is a great resource to review before installing as it covers all aspects of the installation, this manual should be close by when installing the system.
 - b. YouTube SeaWater Pro has an incredible YouTube channel that features several videos on all aspects of the installation process. We get it, sometimes a video is easier to watch and understand than reading a manual. Check out our page for all sorts of helpful videos about your watermaker! Visit our YouTube channel @SeaWaterPoLLC
 - c. **Reach Out** SeaWater Pro prides itself on customer service. You can always contact us by phone or email and we would be happy to help you with any questions you may have!

 Office Line: 954-900-8800 Email: info@seawaterpro.com
 - a. Consider an Installer Our systems are designed to be easy to install, but we understand everyone has different levels of installation experience. If you cannot assemble a kitchen table from IKEA then please consider hiring someone who can to install your watermaker. DO NOT ATTEMPT TO INSTALL. If you believe the installation is beyond your ability, it may be worth researching local installers.*

^{*}Installation costs are not associated with SeaWater Pro. Installation prices are not determined by SeaWater Pro and should be handled directly with your installer. SeaWater Pro does not assume any liability or responsibility for any damages that may occur during the installation.





General Cautions & Warnings

Safety is one of our highest priorities at SeaWater Pro Watermakers. Knowing what things to avoid is a crucial component of proper installation and operation. To ensure the highest level of safety to the installer or operator of the SeaWater Pro Watermaker, the following safety measures should be adhered to:

General Cautions

- 1. Do NOT exceed the recommended operational pressure of 850-900 PSI. Do not exceed the rated water flow recommendation.
- 2. The high-pressure pump is shipped with a red oil plug cap installed to prevent oil spillage. Before the initial operation of the system, replace the red plug cap with the breathable orange oil plug, included in the accessory bag before every use.



3. Reinstall the shipping cap while the unit is in storage.

Water Cautions and Consumption

- 1. Do not allow chlorinated water to flow through the system unless it has run through the carbon filter. Oxidants, such as chlorine or bleach, can lead to impaired performance of the system.
- 2. The system is shipped containing a preservative/storage pickling solution. Allow a minimum of 30 minutes of initial operation to properly flush out the preservative solution before drinking the water. Repeat this process each time the system is freshly pickled.

Heat Hazard

Handle with caution if the system has been run for more than an hour.
 The system can heat up to approximately 110 degrees Fahrenheit.



Electrical Hazard

- 1. Do NOT operate the system when wet.
- 2. Disconnect the electrical power to the watermaker while making adjustments or during the installation process to avoid hazardous electrical shock.









TDS Monitor

Total Disolved Solids Monitor



Demystifying TDS: EPA Drinking Regulations

There's no need to panic about your TDS.

According to the EPA drinking water regulations, 500 ppm is the recommended maximum amount of TDS for your drinking water.

Minimum safe TDS of drinking water should not go below 50 ppm.

Most bottled waters fall within a TDS range of 50 to 800 mg/l (Acqua Panna, 188 mg/l; Fiji, 210 mg/l; Evian, 357 mg/l; Perrier, 475 mg/l), but many well-known waters have a much higher TDS (San Pellegrino, 1,109 mg/l; Badoit, 1,200 mg/l; Contrex, 2,032 mg/l; Gerolsteiner, 2,527 mg/l).



FDA Acceptable TDS

HM Digital SM-1 In-Line Single TDS Monitor, 0-9990 ppm Range, +/- 2% Readout Accuracy

- Displays TDS level of a single water line.
- Highly efficient and accurate due to its advanced microprocessor technology.
- Auto-Off function conserves battery power. The unit shuts off automatically after 10 minutes of non-use.
- Wide Range 0-9990 ppm

Bottled Water [Food and Drug Administration (FDA)]

Mineral Water – Mineral water containing less than 500 ppm TDS must be labeled "low mineral content". Conversely, if the water has more than 1,500 ppm TDS, it must be labeled "high mineral content".

Purified Water – Water that has been produced by distillation, deionization, reverse osmosis, or other suitable processes and that meets the definition of "purified water" in the United States Pharmacopeia.

If the TDS of mineral water is between 500 and 1,500 ppm, no additional statement need appear.



Federal Regulations



1

Boost Pump Connection



Add 5 rounds of Teflon Tape to threads.

Do NOT over-tighten plastic parts as they may crack.







Boost Pump must be mounted as close to the strainer as possible to prevent restriction of flow.

IMPORTANT:

Observe battery polarity.
Reversing battery polarity will
cause the pump to not work
Attach Red wire to Positive &
Black wire to Negative.







Boost Pump Connection

This is the ideal way to connect the Boost Pump to a Sea Strainer.

(Sea Strainer NOT included.)

Salt water in
Do not over tighten plastic fittings.

Low-Pressure Boost Pump is

NOT self-priming.

Pump MUST be installed

below the water line.

NOTE:

Long lines on the suction side of the boost pump may result in poor boost pressure.

Seawater Strainer (NOT included)

WARNNING:

Do NOT operate boost pump dry.

Boost pump must be installed below waterline.



OUT >

Installation Tips







Boost Pump: Do's & Dont's

DO:
Connect the boost pump as close to the strainer as possible.





DON'T: Connect the boost pump with a long line to the strainer.

Long lines on the suction side of the boost pump may result in poor boost pressure.



WARNNING: Do NOT operate boost pump dry.

Boost pump must be below waterline. If you hear a screeching noise from the boost pump that means it is running dry. If the boost pump is cycling on and off that means the pump is not getting enough water supply. If the system is not detecting water, the pump will shut off to prevent damage.





COO/1:03

SeaWater Pro - watermaker brushless boost pump protection logic.



Pre-Filter Unit Assembly







Assembling the Pre-Filters

Pre-Filter Unit Assembly





Ensure that all bleeder ports are closed.*

Pump & Motor Assembly

AC 110-220 Volt Motor with Plated Pump



AC 110-220 Volt Motor with Stainless Steel Pump UPGRADE



DC 12-24 Volt Motor with Plated Pump



DC 12-24 Volt Motor with Stainless Steel Pump UPGRADE



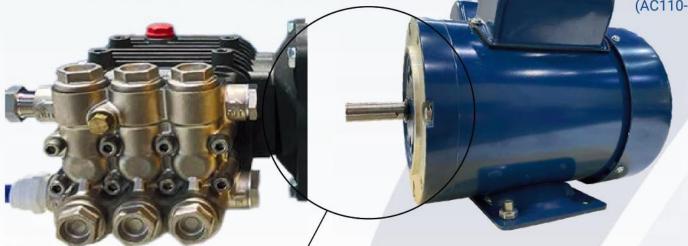


Pump & Motor Assembly



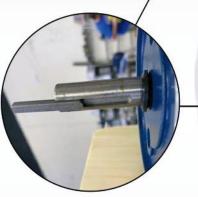
Remove shipping cap if necessary by twisting

MOTOR (AC110-220)



WARNING:

Never attempt to thread
316 stainless parts together
without Teflon tape. 316
stainless is a soft metal and
will weld itself without
Teflon tape. Once the
threads
stick, they will never come
apart.





- 1). Align key way to join pump to motor.
- 2). Insert motor shaft into pump opening.
- Secure firmly using 4 bolts.
 Tighten firm but do NOT overtighten (3/8-16).
- Replace Red Cap on Motor with Vented Dipstick.
- 5. Pump pre-filled at the facotry with 11oz of engine oil.







Assembling Pump & Motor





Electrical Set Up USA 120v 60Hz

This is how you would wire for 60Hz 120V:

Connect Phase or Neutral to either bundle.

Direction of rotation does not matter, the pump will work either way.



T1, T3, T8

T2, T4, T5



If contacts become oxidized the motor may overheat or stop functioning.



Electrical Set Up EU 220v 50Hz



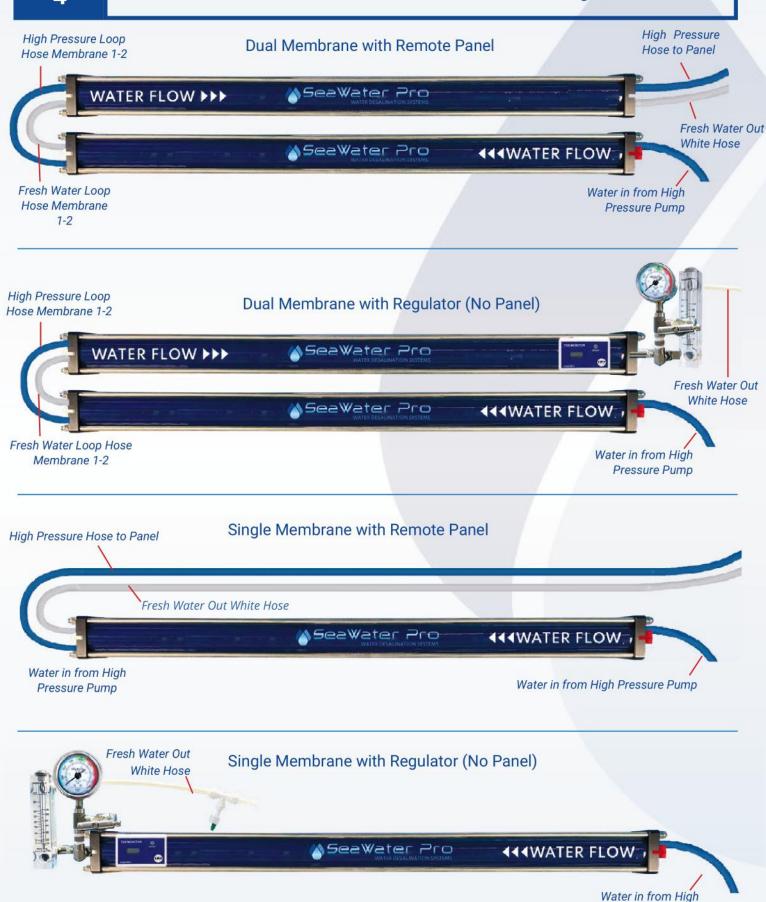
Motor is suitable for use on 50 Hz.



Direction of rotation does not matter.



Membrane Assembly





Pressure Pump

Membrane Assembly

Water flows into the system on the O-ring side of the membrane.



2nd Membrane: O-ring on left. (See water flow sticker.)

1st Membrane: O-ring on right. (See water flow sticker.)

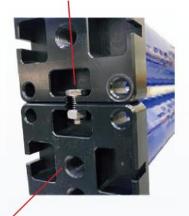


WARNING:

Never attempt to thread 316 stainless parts together without Teflon tape. 316 stainless is a soft metal and will weld itself without Teflon tape. Once the threads stick, they will never come apart.

You may unite the membranes together using 1/4" (6mm) bolt

Unscrew red cap and replace with 3/8" push connect on the water output side. Attach high pressure hose to this end on water in side. This does not require Teflon.

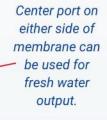


All ports are 1/4" NPT Threads



Membrane

Default 90 degree connectors



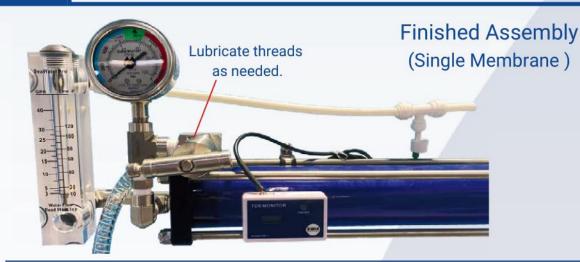
Connection for Pressure Regulator



Optional straight connectors



Pressure Regulator Set up



Finished Assembly (Double Membrane)



NOTE:

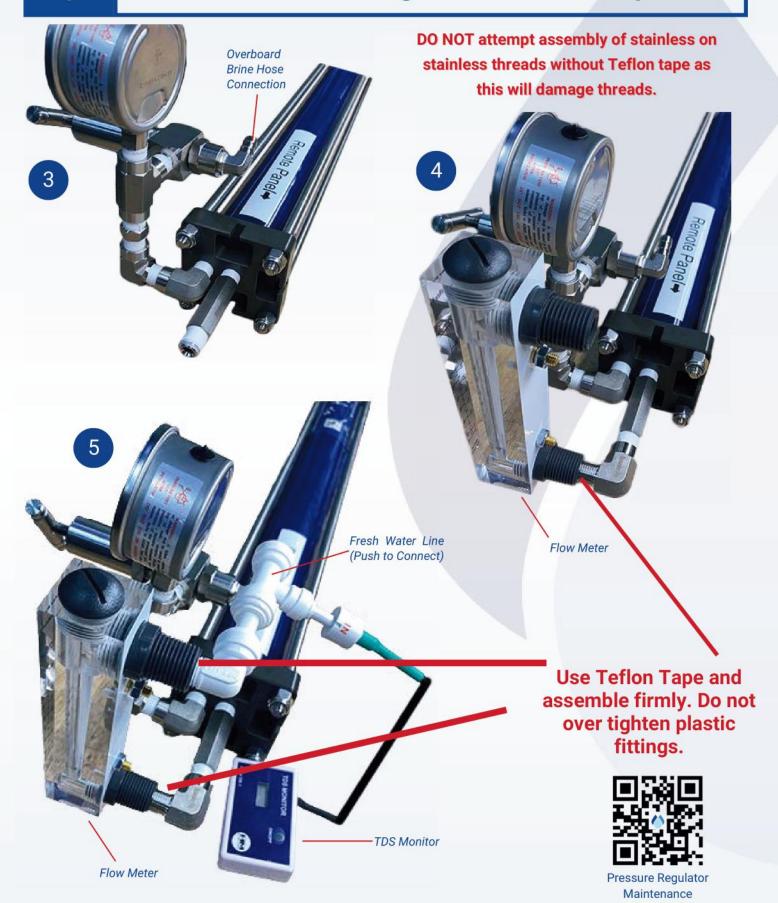
Pressure Regulator on Double Membrane unit goes on the lower right side.

Assembling the Pressure Regulator (Double Membrane)





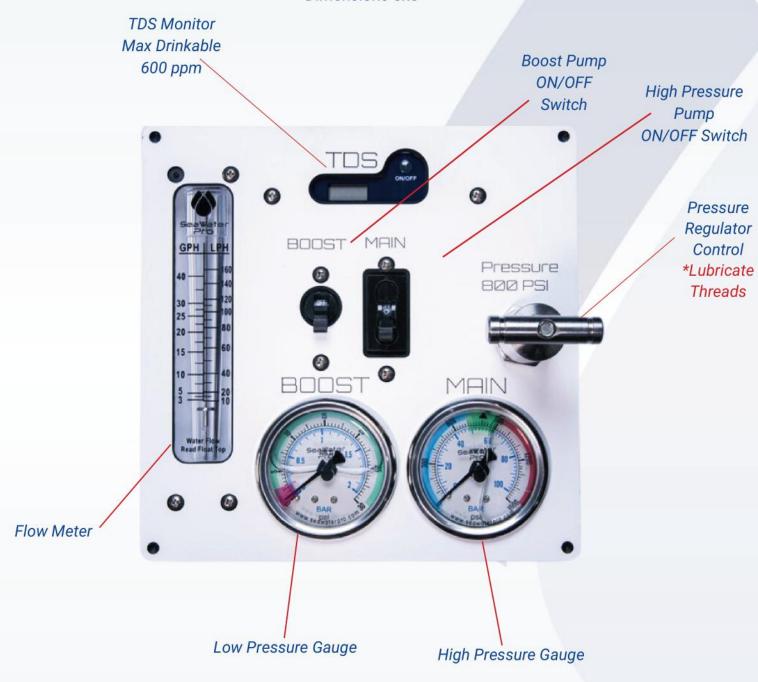
Pressure Regulator Set up



Optional Control Panel

REMOTE PANEL (FRONT)

Dimensions 8x8

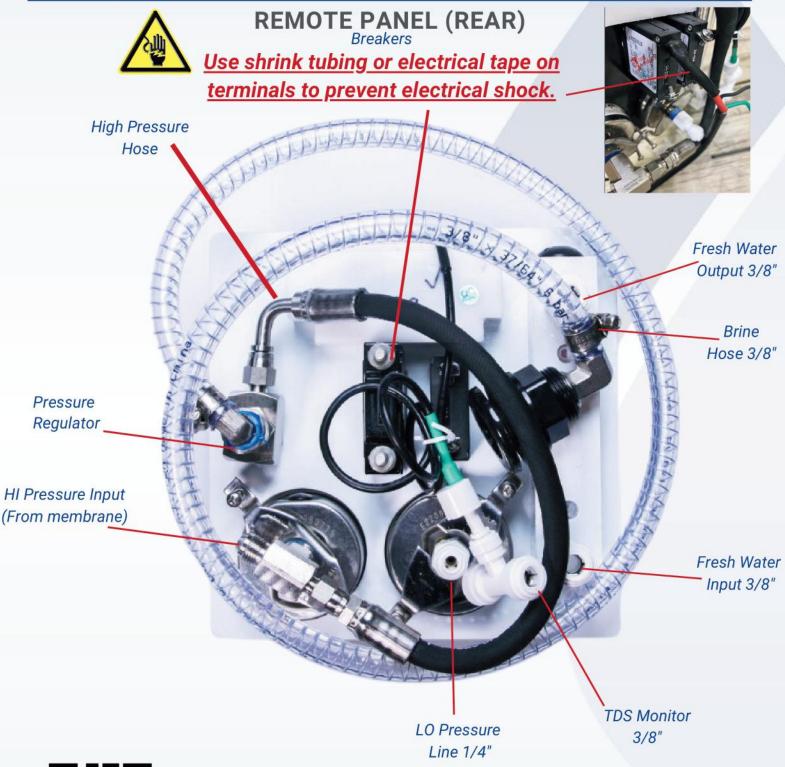




Adjusting the Boost Pump



Optional Control Panel











Start-Up Procedure

- Turn ON the boost pump switch and observe water flowing to the overboard line. Wait long enough to observe positive pressure on the low pressure gauge, before starting the high-pressure pump.
- Boost Main
 Pump Pump



- 2. Do NOT run the high-pressure pump dry as this can damage the pump. Water is what lubricates the pump.
- 3. START the High-Pressure Pump by turning on the "Main Pump" switch. If necessary, adjust the pressure by turning the pressure regulator handle until the high-pressure gauge reads 800 PSI. The maximum allowable pressure is 1000 PSI.



- 4. If this is the first time you are operating the system or if the membrane has just been replaced, raise the pressure slowly over the course of 1 minute.
- 5. If your system has already been in operation, the pressure can be left at 800 PSI; eliminating the need for adjusting the pressure every time you turn on the system.

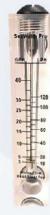




WARNING! DO NOT drink fresh water from a NEW membrane during the first 30 minutes of operation.











Shutdown Procedure

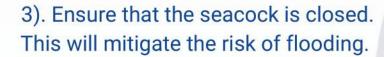
1). Turn off the boost pump and count to 5.







2). Turn off the high pressure pump.









If you wish to run your boost pump using 110/220VAC consider a transformer.

These can be purchased directly on our website. Scan QR code:









Rinse Timer

USING YOUR RINSE TIMER:

Each unit comes with a rinse timer. The purpose of rinsing is to flush out seawater that may contain microscopic sea life and may cause a foul odor if left in the membrane over time. Rinsing is recommended for the system when it is not in regular use. Rinsing the unit after every use will extend the life of all components. All Seawater Pro units include automatic check valves therefore the rinse process is fully automated once you set the timer. Rinse timer styles may vary but work similarly.

TIMER INSTALLATION:

Unscrew and remove the waterproof cover. Carefully slide out the battery compartment in the front face of the timer. Insert two new 1.5V alkaline batteries (size AAA) and replace the battery compartment into the timer face. Test the unit by turning the RUN TIME knob from the "OFF" position. You should hear the sound of the motor within 30 seconds. If you do not hear the motor, check that the batteries are installed correctly. Whilst holding the unit steady, loosen the large locking collar ring located at the top of the timer until the tap connector collar is loose. Screw the tap connector onto the tap until it is hand-tight and then hand-tighten the large locking collar ring. DO NOT use spanners or pliers to tighten the collars. Connect your hose attachment to the male snap-on connector at the bottom of the timer.

FEATURES:

- Battery operated (LR03 2XAAA 1.5V Alkaline battery)
- Strong Ball valve inside
- Durable high-impact construction
- Manual watering available
- Simple, reliable, water-proof
- Soft material for comfortable grip and easy use
- Can be attached to 3/4"(19mm) tap or faucet
- Once the program is set, it will repeat the cycles
- Frequency: (can be set at 1, 2, 3, 4, 6, 8, 12, 24, 48, 72 H, Week)
- Run Time: (can be set at 1, 3, 5, 10, 15, 20, 30, 60, 90, 120 mins)

Specification:

Working Temperature: 5 - 60 C (40 - 140 F) Water Pressure: 0 - 8 bar (0 - 116 PSI)

SeaWater Pro recommends rinsing your system regularly. At a minimum, every 3 days for 5 minutes to prevent odor or damage to the membrane's longevity if the system is in use but has not been pickled.







RUN TIME



Rinse Timer

USING YOUR RINSE TIMER:

Each unit comes with a rinse timer. The purpose of rinsing is to flush out seawater that may contain microscopic sea life and may cause a foul odor if left in the membrane over time. Rinsing is recommended for the system when it is not in regular use. Rinsing the unit after every use will extend the life of all components. All Seawater Pro units include automatic check valves therefore the rinse process is fully automated once you set the timer. Rinse timer styles may vary but work similarly.



CHANGING THE BATTERY:

To change the battery, press the orange button to open the battery compartment.

x2 AA 1.5v alkaline battery is required.













SeaWater Pro recommends rinsing your system regularly.

At a minimum, every 3 days for 5 minutes to prevent odor or damage to the membrane's longevity if the system is in use but has not been pickled.





Maintenance

Pre-Filters

There are 2 pre-filters. The first stage requires a 20-micron filter, and the second stage requires a 5-micron filter. Both filters measure 2.5 inches in diameter by 10 inches in length. Filters need to be replaced as needed or every 6 months. If you notice a drop on the low pressure gauge then it is time to clean or replace the filters. Also, if you can see algae growing on the filter, then it is time to clean or replace the filters.



Carbon Filters

The system comes equipped with a carbon filter. The carbon filter is never exposed to seawater; this filter is only in use when rinsing. The carbon filter ensures that chemicals such as chlorine and fluoride do not enter the membranes from a dock source or a chlorinated tap. We recommend that you replace this filter once every nine months.



Note:

Chlorine or chemicals that are similar will damage the integrity of the membranes.

You may purchase filters directly from www.seawaterpro.com



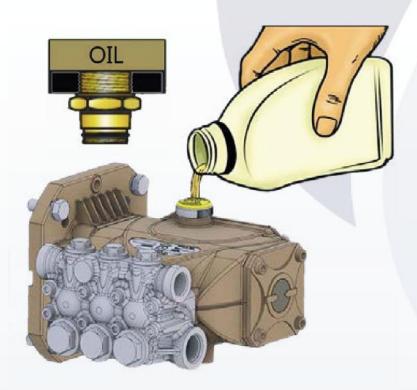




Maintenance

REPLACING PUMP OIL

- 1. To drain the oil, remove the drain plug at the bottom of the pump.
- 2. The first oil change is due after 50 hours of use. After that, it is recommended to replace the oil once a year or every 300 hours.
- 3. You may use any engine oil you happen to have available: 10W30, 5W40, synthetic, or non-synthetic.
- 4. Fill according to the dipstick or use a sight glass.







Maintenance



General System Maintenance:

SeaWater Pro manufacturer recommends spraying the system with Yamalube, a silicone protectant and lubricant.

This will help to limit the oxidation of the system.

This spray can be purchased on Amazon or any local boating supply store.

Membrane Maintenance:

Depending on the proper maintenance of the system, the membranes can last for 4-5 years.

To prevent damage, avoid taking in petroleum distillates with the system (i.e., conditioner, shampoo, cooking grease, or other non-dissolvable materials).

Membranes can be purchased directly from the SeaWater Pro manufacturer website: www.seawaterpro.com





Winterization

WINTERIZATION PROCESS:

Seawater Pro, LLC. is a company that specializes in the production of highquality watermakers. In order to ensure that our products maintain their optimal performance and longevity, the company recommends implementing freeze protection for the preservation of their watermakers during the winter months.

Freeze protection involves the use of special additives, such as 100% food-grade propylene glycol and water [1 bottle of SWP propylene glycol: 2 fresh water gallon ratio], to help prevent water from freezing inside the watermaker's components and causing damage. When water freezes, it expands, and this can cause internal components to crack or break, leading to costly repairs. By implementing freeze protection, Seawater Pro, LLC. ensures that their watermakers are protected from these potentially costly damages.

To effectively implement freeze protection, it is important to follow the proper winterization procedures. This involves draining all water from the system, adding the appropriate amount of propylene glycol and water to the components, and running the system on boost pump pressure *ONLY* to ensure that the freeze-protection solution is evenly distributed throughout the system. **DO NOT PRESSURIZE THE SYSTEM!** By doing this, the watermaker is protected from freezing temperatures and can be easily restarted in the spring.

In addition to freeze protection, Seawater Pro, LLC. recommends regular maintenance and servicing of their watermakers to ensure optimal performance. This includes regular filter changes, cleaning of the system, and inspection of the components for any signs of wear or damage.







Winterization

100% Food-Grade Propylene Glycol

Propylene glycol is an odorless chemical compound that is used as an anti-freeze solution in various industries. Unlike its cousin, ethylene glycol, propylene glycol is non-toxic and safe for human consumption. It has a low freezing point of -60°C, which makes it an ideal coolant for extreme cold temperatures.

Seawater Pro, LLC, a Florida-based company, manufactures 100% propylene glycol-based products that are used in marine desalination systems. Seawater Pro's propylene glycol is specially manufactured with a light blue colored tint. Our anti-freeze solutions are designed to protect against freezing temperatures and corrosion, making them a popular choice for boat owners. Seawater Pro's anti-freeze solutions are made with pure propylene glycol, which provides maximum protection against freezing. Products are also biodegradable and environmentally friendly, making them a preferred choice for those who are looking for eco-friendly anti-freeze solutions that won't harm marine life or the environment.

100% food-grade propylene glycol is an excellent anti-freeze solution that is safe, effective, and environmentally friendly. Companies like Seawater Pro, LLC. are dedicated to producing high-quality products that meet the needs of their customers. As a boat owner or watermaker user, understanding that propylene glycol-based anti-freeze solutions can help protect your equipment from the damaging effects of freezing temperatures is imperative.

\triangle

FREEZE PROTECTION: WARNING

There is a high probability of damaging your watermaker by exposing it to severe cold or icy conditions. The following procedure will protect your watermaker against freeze damage.

DO NOT USE ETHYLENE GLYCOL (FOUND IN AUTOMOTIVE ANTIFREEZE PRODUCTS) FOR FREEZE-PROTECTING YOUR WATERMAKER. ETHYLENE GLYCOL IS A TOXIC SUBSTANCE AND MUST NOT BE INGESTED OR COME INTO CONTACT WITH YOUR SYSTEM.

USE ONLY FOOD-GRADE NON-TOXIC PROPYLENE GLYCOL. DO NOT USE PROPYLENE GLYCOL BLENDED WITH SUPPLEMENTARY ADDITIVES.





Liquid Pickling Procedure

<u>Liquid Pickling Instructions:</u>

Seawater Pro, LLC is a leading manufacturer of watermakers for boats and adventure lovers. Their team of experts has provided some tips and recommendations for pickling your watermaker to protect it. Water left inside of the system can foul the membranes, create an odor, and cause irreversible damage to delicate components. To ensure your watermaker stays in good condition throughout the time of non-usage, it's important to take steps to preserve the longevity of the membranes.

By using our SWP Propylene Glycol Solution, you're taking a proactive step to protect your SeaWater Pro watermaker, ensure your watermaker's efficiency, and prolong its operational life. Say goodbye to worries about corrosion, and enjoy a continuous supply of high-quality, purified water. Don't compromise on the maintenance of your reverse osmosis water maker. Choose our Premium SWP Propylene Glycol Solution today and enjoy peace of mind knowing that your system is in the best hands possible. Order now and experience the difference!

Usage:

1 Bottle of SWP Liquid Preservative (32 FL OZ) to 2 gallons of fresh water.

DO NOT pressurize the system. SeaWater Pro Propylene Glycol Solution is an antifreeze and a preservative against bacterial growth while in storage. This solution is the ultimate choice for pickling your SeaWater Pro reverse osmosis system, ensuring its longevity and peak performance.

DISCLAIMER:

DO NOT PRESSURIZE YOUR SYSTEM TO 800 psi using this solution. Pressurizing your membrane using this solution will harm your membrane, turn the pressure regulator counterclockwise before AND during pickling.

Key Features:

- 1. **High Purity:** Our Propylene Glycol is composed of the highest quality, food-grade propylene glycol. You can trust that your water maker will be treated with a pure and uncontaminated solution.
- 2. **Effective Corrosion Protection**: Corrosion can wreak havoc on your reverse osmosis system. Our solution acts as a protective shield, preventing corrosion, and safeguarding your investment.
- 3. **Easy to Use:** We understand that maintenance should be hassle-free. Simply follow our user-friendly instructions, and you'll have your water maker pickled and ready to go in no time.
- 4. **Safe for the Environment:** Our solution is environmentally friendly and biodegradable, ensuring that your pickling process leaves a minimal footprint.
- 5. **Versatile Application:** Whether you have a residential or industrial-grade reverse osmosis system, our Propylene Glycol Solution is suitable for a wide range of applications.
- Long Shelf Life: With a long shelf life, you can keep this solution on hand for future maintenance needs without worrying about deterioration.





Liquid Pickling Procedure

Liquid Pickling Instructions:

1. Drain the System

Before winterizing your watermaker, it's crucial to ensure that all water is drained from the system. This means opening all valves and disconnecting any water hoses. Use compressed air to blow out any remaining water from the system. Be sure to open all faucets and drains to ensure that all water has been removed.

2. Use 100% Food-Grade Propylene Glycol Anti-Freeze

Using 100% food-grade propylene glycol as an anti-freeze is an effective way to ensure that your watermaker is protected throughout the winter months. It is a non-toxic, marine-specific anti-freeze. <u>Use a 1 bottle SWP propylene glycol: 2 water gallon ratio in a bucket, mixed thoroughly, with boost pump pressure **ONLY** to circulate the solution throughout the system. Then cap off all inlets and outlets to prevent drying out the membranes.</u>

3. Remove Pre-Filters

It's important to remove all pre-filters from the watermaker before winterizing it. This will prevent the filters from becoming damaged due to freezing temperatures. Be sure to store the filters in a dry, warm location to prevent damage.

4. Keep the System Dry

After all water has been drained from the system, it's important to keep the system dry to prevent any moisture buildup. Use a dry cloth to wipe down all components, and ensure that the system is completely dry before storing it for the winter.

By following these simple steps, you can help protect your watermaker from freeze damage and rest assured that your Seawater Pro watermaker will remain in excellent condition throughout the winter months. Seawater Pro, LLC is committed to helping its customers keep their watermakers in top condition all year round.







Purchase Liquid Pickling



Pickling Guide





Liquid Pickling Procedure

Post-Pickling Instructions:

After successfully pickling your watermaker using Seawater Pro, LLC products, there are a few important steps you should take to ensure that your system is ready to return to operation.

1. Check all Connections

Inspect all hose and pipe connections to make sure they are tight and secure. Reconnect highpressure hose from pump to membranes.

2. Ensure Pre-filters are Reinstalled

Reinstall the pre-filters once the system is ready to be operated again.

3. Lubricate Moving Parts

Apply a light coat of lubricant to any moving parts, such as the pump or motors. This will ensure the system runs smoothly when it is reactivated.

4. Pre-Assembly

When ready to use the system again, use boost pump pressure to run the system's (depressurized) brine water overboard for 30 minutes before making product water. Once the brine has been run overboard for 30 minutes, connect the freshwater product hose from the system to the tank.

5. Boost Pump Assembly

Follow the steps for Boost Pump assembly procedures. Enjoy fresh water!



Purchase Liquid Pickling



Pickling Guide

For further questions regarding how to maintain your system, reach out to us at 954-800-8800 or email seawaterprollc@gmail.com





Warranty Agreement

Warranty Conditions / Warranty Statement:

GENERAL

SeaWater Pro water makers and desalination systems are exclusively manufactured in the U.S.A. under our highest quality standards. Our patented pressure regulators ensure that our customers have a top-tier and effective experience with the utilization of our systems. Each of these handcrafted products undergo a thorough quality control inspection as they are being manufactured and prior to delivery.

Upon purchase of a water maker system SeaWater Pro voluntarily provides a manufacturer warranty for manufacturing defects and materials under the following conditions.

The following conditions, which encompass the prerequisites and purview of our voluntary warranty, are outlined:

WARRANTY PROVIDER

SeaWater Pro, LLC 3233 NW 2nd Avenue Fort Lauderdale, FL 33315 USA Phone 954-800-8800 info@seawaterpro.com

WARRANTY COVERAGE

I. This warranty extends exclusively to SeaWater Pro water makers that were purchased directly from the manufacturer's factory; this warranty does not cover third-party sales by dealers or pre-existing water maker systems owned by the consumer. This warranty excludes land-based installations; it is explicitly applicable to boat installations only.

Duration of Warranty

II. SeaWater Pro LLC. warrants the water maker and select parts to be free of all defects in material and workmanship for 2 years from the original purchase date. This warranty extends exclusively to the original buyer, the first lawful end customer; this warranty is non-transferable.

III. Within the period of this warranty, SeaWater Pro LLC. will repair or replace, free of charge; any part proving defective in material or workmanship. All warranty repairs and services must be performed by an authorized SeaWater Pro LLC. technician, or at an authorized SeaWater Pro LLC. service facility.

PRODUCT COVERAGE:

- i. Seawater Pro Water Makers
- ii. Select SeaWater Pro and select parts
- iii. SeaWater Pro Membranes are not covered by this warranty.
- IV. All expenses related to replacing or repairing a defective part under this warranty shall be assumed by SeaWater Pro LLC. except for travel and shipping expenses, which shall be assumed by the buyer.





Warranty Agreement

WARRANTY EXCLUSIONS

- V. This warranty does not apply to any costs, repairs, or services for the following:
- i. Repairs necessitated by use other than normal wear and tear.
- ii. Damage resulting from misuse, abuse, accidents, alterations, or improper installation.
- iii. Corrective work necessitated by repairs made by anyone other than SeaWater Pro LLC. authorized service technician.
 - 1. SeaWater Pro Membranes are not covered by this warranty.
 - 2. This warranty excludes land-based installations; it is explicitly applicable to boat installations only.
- VI. This warranty right shall be forfeited in the event of:
- i. Misuse of the product.
- ii. Improper installation.
- iii. Not abiding by the operating manual.
- iv. Not performing outlined regular maintenance.
- v. Any change in the product components.

VII. Further or other claims, particularly those related to any compensation for damage occurring outside the filter – provided such liability is not mandated by law – shall not be accepted. Warranty claims made in a country that is different from the country of purchase can entail reasonable fees or other limitations that the warranty provider may set at its reasonable discretion.

LIMITATION OF DAMAGES

VIII. In no event shall SeaWater Pro LLC. be liable for consequential damages for breach of this warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the buyer.

PROVISION OF WARRANTY SERVICES

IX. Upon discovery of any defect, malfunction, or nonconformity in the SeaWater Pro water maker system, the buyer should contact the manufacturer directly to obtain warranty service and repairs:

X. The buyer should carefully pack the water maker system, preferably in the original packing materials, and deliver it, together with a copy of the original purchase receipt and a description of the problem, to the listed repair and service facility:

Warranty repairs are to be made at an authorized service center: SeaWater Pro, LLC 3233 NW 2nd Avenue Fort Lauderdale, FL 33315 USA Phone 954-800-8800 info@seawaterpro.com

If the buyer sends the product by U.S. mail, we recommend that the buyer insure it and send the return receipt requested. We accept no liability for products lost or misplaced in shipment.

NOTICE TO BUYER

Consumer Protection Some states do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. You have the right to bring any action at law or equity to resolve disputes concerning or to enforce the provisions of this warranty.

If the buyer disagrees over either's performance under the terms of this warranty, the buyer may submit the matter for resolution to SeaWater Pro, LLC. The buyer shall not be responsible for expenses incurred in submitting a dispute for resolution under the terms of this paragraph. The buyer is required to submit any dispute for resolution under this paragraph before pursuing any legal remedies to which he or she may be entitled.





Troubleshooting

SYMPTOM	CAUSE	SOLUTION
Surging noise from the High Pressure Pump resulting in unstable High Pressure Gauge.	Water Starvation Not enough water reaching high pressure pump. Air Leaking into the water supply.	Replace Pre-Filters Clean Strainer Inspect Boost Pump Replace pre-filters.
Odor, rotten egg smell in the water.	Algae is growing in the filters and or membrane, due to lack of rinsing.	Remove and clean membrane if necessary. Increase rinse frequency. Damaged or mangled membrane O-ring.
High TDS reading, TDS meter reading over 500.	Improper installation of membrane. Worn out or damaged membrane. Air is present in the system. Sea cock is closed.	Replace membrane.
Unable to build up pressure.	Sea strainer is clogged. High Pressure Pump damaged. Barnacles or seaweed is restricting water flow.	Open pressure regulator counter clockwise and wait for air to purge, while operating both pumps. Verify sea cock is open. Clean sea strainer. Inspect for any growth or foreign objects or material.

If you require additional instruction or have any other questions not covered in this manual, please contact us at seawaterprollc@gmail.com

Primary 954-800-8800 Office 954-900-8800.



Scan this QR code or visit www.seawaterpro.com/resources to view & download a digital copy of this manual.



Resource Videos

Congratulations on purchasing your new SeaWater Pro WaterMaker!

SeaWater Pro is committed to not only providing our customers with the best product available at the highest quality, but also providing exceptional customer service.

Below are some helpful QR codes to our how-to videos.





































Connect With Us!

Website

SeaWaterPro.com



Facebook

Facebook.com/SWPFTL



<u>Instagram</u>

@SeaWaterPro



YouTube

@SeaWaterProLLC



Email

Info@SeaWaterPro.com



Phone Number

954-800-8800



<u>Address</u>

3233 SW 2nd Ave. Suite #200 Fort Lauderdale, FL 33315





PLUG AND PLAY

PIRANHA-400



16"

17"

Assembles in minutes

110 / 220 VAC 50 or 60 HZ 970 Watts Draw Fully assembled and pre-wired

35 GALLONS PER HOUR

COMPACT \$4995



12 GALLONS PER HOUR

Ergonomically designed from the ground up to be portable and low weight

Makes 12-14 Gallons an hour 1 Year warranty

Plug and Play

Unit measures 22" x 13"

Unit weight 49 lbs

600 Watts

Check SeaWaterPro.com for availability.

* Prices are subject to change.

MINI

PORTABLE \$4250



SeaWater Pro WATERMAKERS

Introducing "The Micro" - our latest innovation in water technology! "The Micro" is a cutting-edge watermaker designed to produce 5 gallons of clean, pure water per hour. At SeaWater Pro, innovation is at the heart of what we do. We are committed to pushing the boundaries of desalination technology and continually strive to develop new and improved products that cater to the evolving needs of our customers. With "The Micro," we're not just providing a solution; we're setting a new standard for water independence. Join us on our journey of innovation and explore the future of clean water with SeaWater Pro!

> **COMING SOON!** 12V DC 200 WATTS 5GPH **\$2995** estimated









