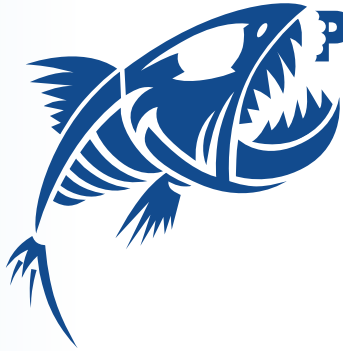


SeaWater Pro PIRANHA



Compact Desalination Unit Assembly Manual



SeaWater Pro
WATERMAKERS

3233 SW 2nd Ave. Ste #200 Fort Lauderdale FL. 33315
954.800.8800 • seawaterprollc@gmail.com • www.seawaterpro.com





Table of Contents

Plug & Play Piranha™	1
Dimensions	2
Boost Pump Connection	3
Pre-Filter Unit Assembly	4
Piranha Assembly	6
Maintenance	7
Winterization	10
Liquid Pickling	12
Warranty	14
Resources & Videos	16
Webpages	17



Plug & Play Piranha™



SeaWater Pro's *NEW* Plug and Play Piranha compact modular system comes fully assembled, pre-wired, and ready to go in 5-minutes. The smallest and most efficient water desalination system of its type. Transform seawater into clean, drinkable water using your inverter or Honda EU 2000™ generator. Designed to fit in tighter spaces, compact enough to fit under your kitchen sink. Advanced filmed membrane filtration technology for high flow rate. All instructions are printed on the panel; 1-2-3 easy-operation! Produces 40 gallons per hour of fresh drinkable water. Access clean water on any boat or vessel.

- As easy as 1 2 3, plug and play.
- (22inx16inx4in) to fit almost anywhere
- 4 Water Desalination Membranes
- 970 watts 110/220 60HZ volt Motor (Standard)
- Optional 220 / 50HZ-European Boats (Specify)
- High and low-pressure pumps
- 1 standard size 5-micron filter
- Automatic Switching (Rinse-run)
- Rinse timer Included (Backwash)
- 6 ft High and 20 ft low-pressure hoses
- Patented pressure regulator
- 2 Year warranty

*Production varies by temperature and water salinity.



SeaWater Pro



Dimensions

This system can be easily mounted wherever there is an electrical outlet close by. Just plug and play! Water in an instant with this compact, pre-assembled system in hand. Making water has never been easier!



Spare or replacement parts can be purchased at: www.Seawaterpro.com
For questions about general system use, call us at 954-800-8800.



STEP
1

Boost Pump Connection

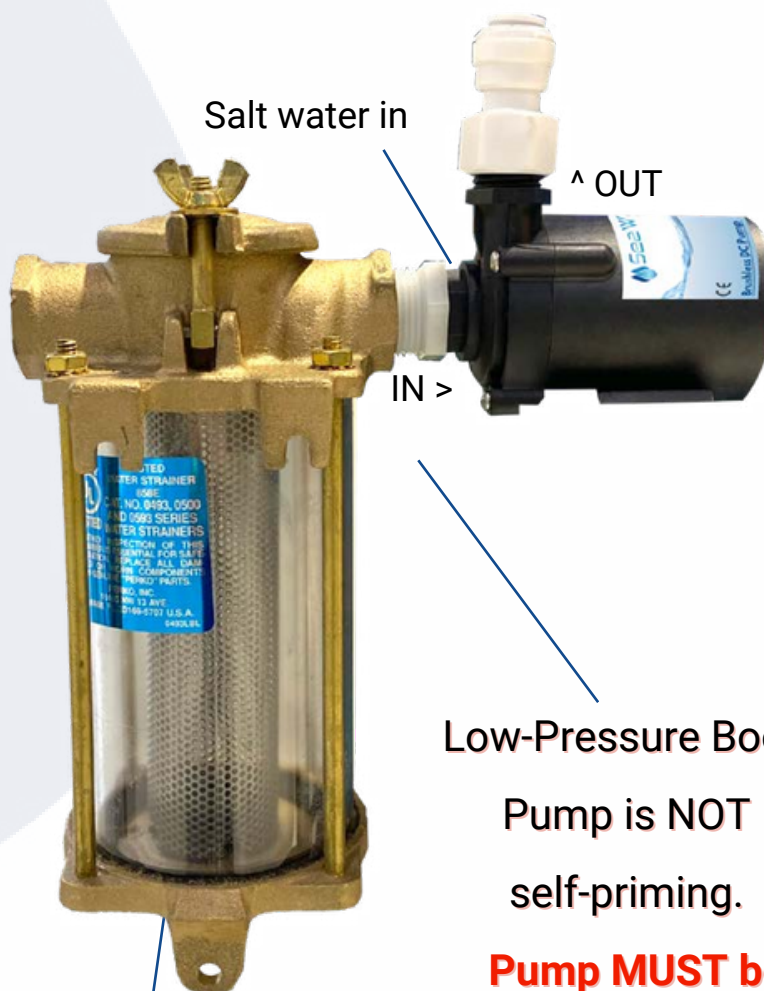
This is the ideal way to connect the Boost Pump to a Sea Strainer.
(Sea Strainer **NOT** included.)

WARNING:

Do NOT operate boost pump dry.

Boost pump must be below waterline.

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



Seawater Strainer
(**NOT** included)

Low-Pressure Boost Pump is **NOT** self-priming.
Pump MUST be installed below the water line.



STEP 2

Pre-Filter Unit Assembly

STEP 1



STEP 2



Water Input

STEP 3



WARNING:

Do NOT overtighten plastic fittings.

Hand tight is recommended.

Do NOT use pliers.



Pre-Filter Unit Assembly



ASSEMBLED UNIT SHOWN BELOW



WARNING:
Do NOT overtighten plastic fittings.
Hand tight is recommended.
Do NOT use pliers.



STEP 3

Piranha Unit Assembly

Powering ON the System

* Make sure the seacock is turned **ON**.

1. Install boost pump to thru-hull then plug in boost pump.
2. Connect ½" hose from boost pump to pre-filter inlet.
3. Run ½" hose to high-pressure pump from pre-filter.
4. Connect the high-pressure hose to Piranha "inlet".
5. Install a ¼" hose to "product out" or freshwater outlet into the tank.
6. Connect clear brine hose to the back of the pressure regulator for discharge; run the hose overboard.
7. Plug in the motor.

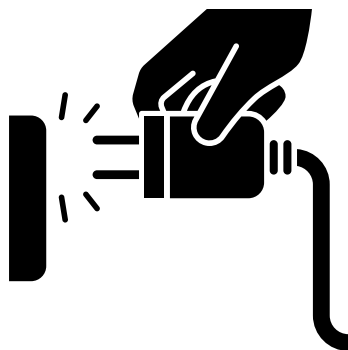
Priming the System

1. Prime the system with the boost pump.
2. Turn on the high-pressure pump and motor once water is flowing through the brine hose.
3. Set pressure to 800 PSI.
4. Enjoy fresh water in seconds!

Powering OFF the System

1. Turn pressure to 0 PSI.
2. Turn off the main pump [Wait 3 seconds].
3. Turn off the boost pump

* Make sure the seacock is turned **OFF**.





Maintenance

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.

AUTOMATIC RINSE

To rinse your system, connect pressurized water from your house pump to the input (1/2" tubing) and set the timer for AUTOMATIC RINSE: once every 5 days, for approximately 30 minutes or 2 gallons.

NOTE:

All Seawater Pro units include automatic check valves therefore the rinse process is fully automated once you set the timer.



MANUAL RINSE

Using the manual override knob, rotate to the "RESET" position and wait for 2 seconds. Rotate the manual override knob to the desired setting, depending on your house's water pressure. It takes approximately 2-3 gallons (8-10 Liters) to displace all the salt water with freshwater.

Estimate about 30 minutes or measure your overboard water to determine the exact interval.

NOTE:

Rinsing the unit after every use will extend the life of all components.





Maintenance

Carbon Filters

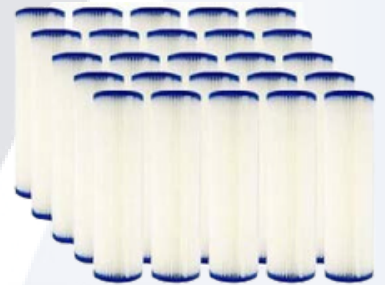
The system comes equipped with a carbon filter. The carbon filter is never exposed to seawater; this filter is only in use when rinsing. The carbon filter ensures that chemicals such as chlorine and fluoride do not enter the membranes from a dock source or a chlorinated tap. We recommend that you replace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

Note:

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

REPLACING PRE-FILTERS

There is 1 pre-filter. The pre-filter requires a 5-micron filter. It measures 2.5 inches in diameter by 10 inches in length. The filter needs 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 filter. Also, if you can see algae growing on the filter, then it is time to clean or replace the filter.



Low Pressure Gauge

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

You can purchase filters directly from www.SeaWaterPro.com.

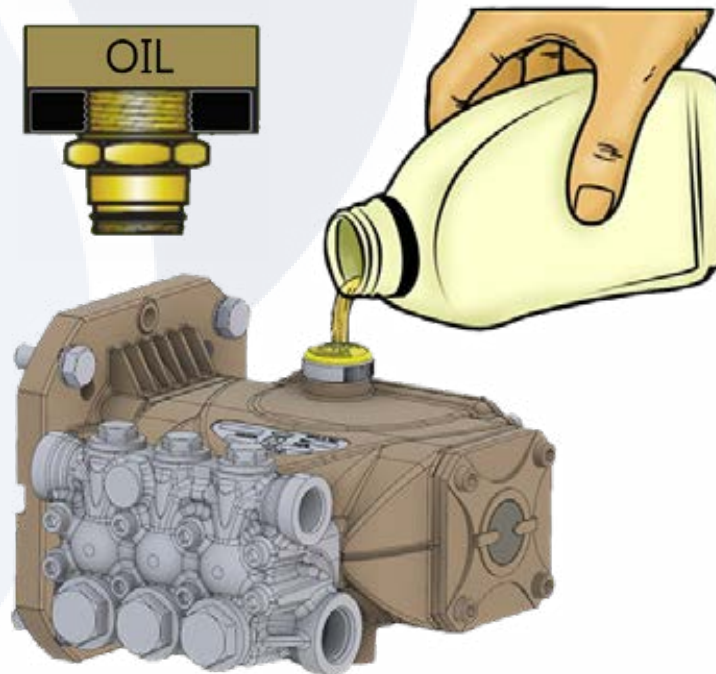




Maintenance

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.





Winterization

WINTERIZATION PROCESS:

Seawater Pro, LLC. is a company that specializes in the production of high-quality 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 propylene glycol:2 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.



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

Freeze Protection for Watermakers: Winterization Tips from Seawater Pro, LLC

One of the biggest risks to a watermaker during the winter months is freeze damage. Water left inside of the system can freeze, expand, and cause irreversible damage to delicate components. To ensure your watermaker stays in good condition throughout the winter, it's important to take steps to protect it from freezing temperatures.

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 winterizing your watermaker to protect it from freeze damage.

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. Use a 1 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.

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.





Liquid Pickling Procedure

After Winterizing: Tips from Seawater Pro, LLC

After successfully winterizing 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 high-pressure 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 on Page 3 for Boost Pump assembly procedures. Enjoy fresh water!

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 in order 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 it 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.





Resources & 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 links to our how-to videos. You can scan the QR codes with your smart phone to see the videos and download a digital copy of this manual.

Visit our Resources section on our website by scanning the QR code to the right.



Instructional Video 1:
Boost Pump Assembly



Instructional Video 2:
Motor/Pump Assembly



If you require additional instruction or have any other questions not covered in this manual, please contact us at seawaterprollc@gmail.com or call 954-800-8800.





Connect With Us!

Website

SeaWaterPro.com



Facebook

Facebook.com/SWPFTL



Instagram

@SeaWaterPro



YouTube

@SeaWaterProLLC



Email

Info@SeaWaterPro.com



Phone Number

954-800-8800



Address

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





SeaWater Pro

PIRANHA



3233 SW 2nd Ave. Ste # 200 Fort Lauderdale FL. 33315
954.800.8800 • seawaterprollc@gmail.com •
www.seawaterpro.com



Our products are proudly manufactured here in Fort Lauderdale, Florida USA!

