



S P O T - F R E E W A S H D O W N



S P O T - F R E E W A S H D O W N

User Manual



Whatever you are washing, recreational vehicles, boats, windows, or other washables, make the task easier and cleaner with an FCI Watermakers DTS^{+Mobile} or DTS^{+Mobile.Lite}, reverse osmosis, spot-free water purifier. Also, make cleaner, more drinkable water than municipal sources by running the water through the purifier. The DTS^{+Mobile} models are built for portability, so you can enjoy the benefits of spot-free and cleaner drinking water wherever you go.

DTS^{+Mobile} and DTS^{+Mobile.Lite} reverse osmosis water purifiers, engineered for portability and simplicity, have a compact form-factor on wheels. The DTS^{+Mobile} is provided with a customer kit that contains easy-to-connect hoses for the source water and the spot-free water. The customer kit can be purchased separately for the DTS^{+Mobile.Lite}, or the customer may provide his or her own hoses. Operation is a snap, simply follow the few steps listed on the decal on top and enjoy the benefits of spot-free water.

The systems are standalone, complete with pre-filter, pump, control panel, and pressure vessel set (which house the reverse osmosis membranes).

The pre-filter removes harmful chlorine and particulates from the source stream before they reach pump and membranes, protecting them for a longer product lifecycle. Additional pre-filters are available for applications that require extra protection.

The membranes used in the systems are specially designed for purifying freshwater, requiring lower pressure and energy than membranes designed for purifying saltwater. The pump is matched to the lower pressure requirements and is replaceable as a unit, eliminating the need to rebuild valves and seals.

The system is controlled by the OPERATION hand-valve (with PURGE and RUN positions).

The DTS^{+Mobile} features the convenience of electronic START/STOP and FILTER RESET buttons, while the DTS^{+Mobile.Lite} provides the same spot-free water production but without the electronic buttons.

The DTS^{+Mobile} START/STOP button toggles the system on and off and has an LED to indicate when the system is on. When it is time to change the pre-filter, the pre-filter health LED will illuminate. Once the pre-filter has been changed, proceed to press the FILTER RESET button and hold for two seconds to reset the timer.

For the DTS^{+Mobile.Lite}, connect the power cable to power on, and track the filter lifecycle by the volume and quality of product water.

PREFACE

We are committed to customer service that exceeds your expectations. If at any time you have questions about what's covered in this manual, our hands-on technical support will never leave you adrift. This manual contains technical information & instructions for the installation, operation, maintenance, and troubleshooting for FCI Watermakers Desalination Systems. Anyone responsible for the installation, operation, and maintenance of a FCI Watermakers Desalination System must read and understand the contents of this manual, and comply with these instructions, guidelines, and safety requirements at all times.

The term system will be used throughout this manual, and it generally refers to the FCI Watermakers DTS^{+Mobile}. Reading this manual in its entirety will familiarize you with the system and the operation of its components. By understanding the system in its entirety, one can readily operate and diagnose problems.

All references within this manual refers to other sections unless specifically defined. Graphics and illustrations are used for reference only and may not represent the actual part or arrangement of parts in a customized system.

ABOUT SAFETY NOTES

Safety issues requiring users attention are highlighted throughout this manual as follows:

WARNING: Provides critical information in order to prevent the possibility of injuries and/or death.

CAUTION: Provides important information to prevent the possibility of damaging the device or equipment.

NOTE: Provides additional information to safely and properly operate the equipment.

NEW SYSTEM PERFORMANCE

Although each system has been fully tested prior to shipping, there will be a break-in period. During this period, approximately 24 hours, membrane performance will change or settle, and the water quality and quantity will vary. The water quality and quantity will improve over this break-in period.

THEORY of OPERATION

The DTS^{+Mobile} systems are designed especially for making spot-free rinse and fresh drinking water from municipal water source.

The mobile purifier can be toted or wheeled to the washing destination. The purifier is then set up with a Feed Hose connecting the source water to the purifier, and a Washing Hose for the spot-free rinsing stream. The brine will discharge from an outlet on the side of the purifier through the Discharge Hose.

Initially, the source water passes through a pre-filter. The pre-filter removes particles, chlorine, and bromide, which may be potentially harmful to the membranes of the purifier. The DTS^{+Mobile} has a timer that tracks the lifecycle of the pre-filter element, and the LED will illuminate red when it's time to change the element. After a new pre-filter element is installed, press the FILTER RESET button and hold for two seconds to restart the timer. For the DTS^{+Mobile.Lite}, track the filter lifecycle by the volume and quality of product water.

Before purifying, you must purge the air from the system. First, turn the source water on. Next, set the OPERATION valve to PURGE. Then power on the system by pressing the START/STOP button for the DTS^{+Mobile}, or plugging in power source for the DTS^{+Mobile.Lite}. Momentarily pull the spray nozzle until the purge port starts flowing water. Allow the system purge air for one minute.

After purging for one minute, set the OPERATION valve to RUN. The source water is passed through the reverse osmosis membranes by the pump, and the Wash Hose now streams the spot-free water.

LIMITED WARRANTY

This policy will define, in detail, what is and is not covered under warranty. It will also define how to obtain warranty service and approval.

I. Filtration Concepts Incorporated, dba FCI Watermakers (“FCI”), warrants to the original purchaser (“Purchaser”) that new Water Purification Products, Pumps, and Related Accessories (“Product(s)”), if used in accordance with FCI’s published specifications and operating manuals and all applicable laws and regulations, will not fail due to defects in material or workmanship during the period of the earlier of (i) one year from Startup (defined below), or (ii) 18 months from shipment (“Warranty Period”). At FCI’s option, it will repair, replace, or refund the original purchase price for the defective Product. Any parts repaired or replaced under this Product warranty shall not extend the original Warranty Period for the Product and will not be warranted any longer than the original Warranty Period. Labor costs to repair or replace are not included in this warranty.

Replacement parts (outside the original sale of the Product) shall carry a separate warranty as set forth in Article VI below.

Products built to Purchaser’s own specifications (“Custom products”). Custom Product Warranty: All Custom products manufactured by FCI pursuant to the design and specifications provide by Purchaser are warranted for one year from the date of manufacture. FCI warrants only that the Custom product will be manufactured in accordance with the Purchaser’s specifications.

II. To commence the warranty process, the Purchaser must call FCI’s Customer Service Department (see IV.2. below) for a recommendation as to the closest Authorized Servicing Dealer (see IV.2. below). If the Purchaser has a prior relationship with an Authorized Servicing Dealer, the Purchaser may contact same directly. If the Purchaser contacts FCI’s Customer Service Department for an Authorized Servicing Dealer and FCI has no one located in that particular area on the list, FCI will authorize the use of a local service company and work with that local company to assist in any way possible.

III. Exclusions to the above warranty:

1. Product failures resulting from improper installation or use contrary to operating manuals and other Product instructions;
2. Product failures resulting from abuse, misuse, accident, fire, or submergence;
3. Products manufactured by a third party that are not included in the original Product;
4. Products which fail as a result of improper application or improper installation, including but not limited to hose clamps, fittings, flare nuts, quick disconnects;
5. Products damaged during loading or shipment;
6. Cosmetic damages that do not affect the use and function of the Products;
7. Pumps that have been run dry, are water damaged or have been allowed to freeze;
8. Pumps with cracked heads;

LIMITED WARRANTY (continued)

9. Pump seals and UV light bulbs;
10. Sea strainer elements and cartridge filter elements;
11. Damage due to sand and/or gravel in a multi-media filter;
12. Pump packing assemblies;
13. Pump valve assemblies;
14. Pump crankcase oil;
15. Gauge instrument calibration;
16. Fuses;
17. Valve seals and packings;
18. Exterior corrosion;
19. Membrane elements;
20. Water damage to logic boards;
21. Logic boards with blown MOV's (Power Surge) or mis-programmed displays;
22. Water damage to displays or remotes;
23. Failures due to improper winterization;
24. All other consumable parts not covered herein;
25. Product damage resulting from improper return packaging by Purchaser; or
26. Force Majeure as more specifically defined in Section 9 of the General Terms and Conditions.

IV. Additional Exclusions/Restrictions:

1. For issues regarding installation, assembly or Start-up of the Product, the installer maintains all liability for its work, and FCI disclaims all liability therefor. Purchaser shall defend, indemnify and release FCI from and against any claims arising from the installer's work. "Start- up" is when the OEM or Authorized Servicing Dealer ("installer") has put the Product into service as shown on the Warranty Card (as defined in Article V. #3 below).
2. The installer must be an OEM or "Authorized Servicing Dealer". A list of Authorized Servicing Dealers can be found at <https://fciwatermakers.com/dealer-map/> or by calling FCI's Customer Service Department Monday-Friday from 8:00 a.m. until 5:00 p.m. (MT) at (801) 906-8840. If Purchaser wishes to use an installer that is not found on the list, please call the telephone number above for prior authorization. FCI is not liable for work performed by an installer and Purchaser shall defend, indemnify and release FCI from and against any claims arising from such third-party work.
3. Warranty repairs shall be subject to the same restriction as found in IV. #2 above. If an OEM or Authorized Servicing Dealer is not used for warranty repairs and/or installation, the warranty shall be voided.

LIMITED WARRANTY (continued)

4. Except as provided in IV. #5 below, labor costs and expenses for warranty repairs are excluded.
 5. If Purchaser, at its own cost and liability, packages and ships the defective Product to FCI for repair, FCI will repair the Product (or component) in its facility at its own expense (including labor) if found to be defective.
 6. If the Product is replaced under this warranty, all costs of uninstallation of the warranted Product and reinstallation of the new Product are excluded.
 7. In the case of a refund, the Purchaser must package and ship the Product back to FCI at its own cost and liability. If found to be defective, a refund will be issued.
 8. If the Product is uninstalled and reinstalled by Purchaser or its agent to another location, the warranty shall be voided.
 9. Purchaser (or its agents) shall be responsible for the cost to make the Product accessible for warranty repair.
 10. Products are not intended for use in connection with any nuclear facility or activity and FCI disclaims all liability for nuclear damage, injury, or contamination. Purchaser shall indemnify, defend, and hold FCI, its officers, directors, agents, employees, successors, assigns harmless from and against any and all damages or expenses of whatever nature (including attorney's fees and costs) which may be incurred arising from such use.
 11. If Purchaser or an installer purchases replacement parts to perform warranty repairs, unless FCI finds the returned part to be defective, FCI will not credit such purchase of a new part. Instead, FCI encourages Buyer to send the part in question to FCI's facility for evaluation of the alleged defect prior to purchasing a new part.
- V. Additional required conditions to warranty effectiveness:
1. FCI WARRANTIES ARE EFFECTIVE UPON PAYMENT IN FULL, AND FCI IS NOT OBLIGATED TO HONOR ANY WARRANTY OR PROVIDE ANY SERVICE UNTIL FCI RECEIVES PAYMENT IN FULL.
 2. Proof of purchase or proof of installation date may be required to verify warranty coverage.
 3. Purchaser must submit the "Warranty Card" at the time of Start-up through the portal found at <https://fciwatermakers.com/register-your-product/>. If Buyer fails to submit the Warranty Card upon Start-up, the Warranty Period for the purchased Product shall be limited to one year from shipment. All other terms and conditions herein shall apply.
 4. All products manufactured by FCI are based on a set criterion for performance based on feed water conditions. These parameters can be found on the product data sheet(s) ("PDS") for each product. Please refer to the applicable PDS for additional warranties, exclusions and terms and conditions. Variations from these parameters will affect system performance and in some cases damage system components. FCI is not responsible for feed water quality or changes in the feed water over time or the resulting system performance due to feed water being unbalanced or containing contaminants or biological elements. In these circumstances, the warranty will be void.

LIMITED WARRANTY (continued)

In cases when FCI's Application Questionnaire is completed by Purchaser, FCI assumes no liability for the accuracy of the data submitted by Purchaser or subsequent recommendations based on the submittal. If Purchaser's responses are inaccurate or incomplete, the warranty shall be void. If the feed water conditions change, the warranty will be void. If Purchaser does not return the Application Questionnaire and the product fails due to improper feed water conditions for the model purchased, the warranty will be void.

VI. Parts' Warranty: All parts ("Parts") sold outside the original Product sale (excluding replacement parts covered by the Product warranty above in Article I) that are sold by FCI shall be warranted for 90 days from the date of sale. FCI does not warrant parts manufactured by third parties and the Parts buyer should contact the original manufacturer for any applicable warranty rights.

VII. Additional limitations to the Product, Custom product and Parts warranties:

THE REMEDIES SET FORTH HEREIN ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON OR ENTITY FOR BREACH OF WARRANTY OR FOR BREACH OF ANY OTHER COVENANT OR OBLIGATION ON THE PART OF FCI AS SET FORTH HEREIN. FCI SHALL HAVE NO LIABILITY OR OBLIGATION TO ANY PERSON OR ENTITY FOR BREACH OF ANY OTHER COVENANT OR OBLIGATION UNDER THIS WARRANTY EXCEPT AS EXPRESSLY SET FORTH HEREIN.

IT IS EXPRESSLY AGREED THAT THIS WARRANTY DOES NOT FAIL OF ITS ESSENTIAL PURPOSE.

IN NO EVENT SHALL FCI BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL OR PUNITIVE DAMAGES OF ANY NATURE WHATSOEVER, WHETHER ANY SUCH CLAIM OR DAMAGES BE BASED UPON WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY, TORT, OR OTHERWISE.

IN NO EVENT SHALL FCI'S TOTAL LIABILITY HEREUNDER EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCT OR PART, AS APPLICABLE.

THIS LIMITED WARRANTY CONSTITUTES FCI'S EXCLUSIVE PRODUCT, CUSTOM PRODUCT AND PARTS WARRANTIES. ANY SERVICE, ADVICE, OR CONSULTATION FURNISHED TO PURCHASER OR BUYER BY FCI OR ITS REPRESENTATIVES AS WELL AS ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

VIII. FCI's General Terms and Conditions of Sale and applicable PDS are included in and applicable to this Limited Warranty. FCI's Customer Service Department can provide Purchaser with a copy of the General Terms and Conditions of Sale upon request.

Effective Date: 4/29/2022

WARRANTY REGISTRATION

INSTRUCTIONS: At the time of purchase of the FCI Watermakers system, please complete the warranty information listed below. After completing this form, please make a copy and submit the copy using one of the options at the bottom of the page. Keep this copy in your manual for future reference.

SYSTEM INFORMATION:

Model # _____

Serial # _____

Operating Voltage: _____

Date Purchased: _____

Date Commissioned: _____

DEALER INFORMATION:

Dealer Name: _____

Address: _____

City: _____ State: _____

Country: _____ Postal Code: _____

Dealer Invoice #: _____

CUSTOMER INFORMATION:

Customer Name: _____

Address: _____

City: _____

State: _____ Postal Code: _____

Country: _____

Phone: _____ Fax: _____

E-mail: _____

VESSEL INFORMATION:

Boat Manufacture: _____

Boat Model: _____

Boat Name: _____

Boat Length: _____

LAND BASED INFORMATION:

Installation site: _____

Site Name: (resort, company etc) _____

Application: _____

Operator Contact Information:

(person in charge of system maintenance and operation)

Name: _____

E-mail: _____

Phone: _____

Mail a copy to:

FCI WATERMAKERS, INC

ATTENTION: WARRANTY REGISTRATION

3782 W 2340 S, STE E

WEST VALLEY CITY, UT 84120-7291 USA

EMAIL: info@fcewatermakers.com

Subject: Warranty Registration

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FCI CONTACT INFORMATION

If you have questions regarding your FCI Watermakers system or the contents of this manual, or if you need replacement parts, please do not hesitate to contact us immediately. Our hands-on technical support is always at your service.

FCI WATERMAKERS, INC.
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WEST VALLEY CITY, UT 84120-7291

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email: info@fcewatermakers.com

www.fcewatermakers.com

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GENERAL INFORMATION

FCI Watermakers, Inc. makes the most advanced desalinating systems available, which produce potable water from seawater or brackish water, or spot-free rinse from municipal sources. For over thirty years, FCI Watermakers, Inc. has pioneered technology and innovated features that have become standards for today's water purifiers: one-touch commands, multiple station operation, remote system control and monitoring, and automation. As both engineers and craftsmen, we specialize in high-performance, value-driven purifiers and are proud of the thousands of continuously operating units installed worldwide.

Your FCI reverse osmosis water purifier is designed to provide lasting performance using high-grade materials and uncompromising engineering. FCI systems utilize high-grade alloys in critical components, where competing brands often use inferior material that compromise system operation. Moreover, at FCI Watermakers, our commitment and attention to detail transcends beyond materials and construction. Things that are seemingly trivial are never overlooked.

Your system's Model Number is as follows:

A		B		C
DTS+		Mobile		120
Series		Model Name		Voltage
DTS+: DTS+ Series		Moble:	DTS+Mobile	-120: 120VAC
		Mobile.Lite:	DTS+Mobile.Lite	-240: 240VAC

NEW SYSTEM PERFORMANCE

Although each system has been fully tested prior to shipping, there will be a break-in period. During this period, approximately 24 hours, membrane performance will change or settle, and the water quality and quantity will vary. The water quality and quantity will improve over this break-in period.

2/ PRE-OPERATION

This section provides key information about your new system to acquaint you with the system's features and operation.

The FCI Watermakers System is supplied with an customer kit which includes items used in set up. Because of the various options with regard to location, you may require additional hose or wire. Please contact your local dealer for these supplies. Be sure to follow all local codes when operating your new FCI watermaking system.

Always use genuine FCI approved parts to ensure proper operation of your watermaker.

SET-UP PRECAUTIONS

STORAGE PRIOR TO REMOVAL FROM CRATE

Adhere to crate markings:

- **DO NOT** store in direct sunlight;
- **DO NOT** store above 120°F (50°C);
- **DO NOT** freeze;
- **DO NOT** store longer than 4 months without flushing with storage chemical;
- **STORE ONLY** on base with **ARROWS UP**;
- **KEEP THE R.O. MEMBRANE ELEMENT WET AT ALL TIMES.**

REVERSE OSMOSIS MEMBRANE ELEMENT IS SUSCEPTIBILITY TO CHEMICAL ATTACK

CAUTION: Do Not expose the FCI Watermakers system to intake Feed Water from any chemical not approved in writing by FCI Watermakers, or any of the following chemicals:

- | | |
|---------------------|-------------------------|
| • Hydrogen peroxide | • Chloramines-T |
| • Chlorine dioxide | • Chlorine |
| • Bromine phenolic | • Disinfectants |
| • Chloramines | • N-chloroisocyanurates |
| • Hypochlorite | • Iodine |
| • Bromide | • Petroleum products |

USE OF NON-AUTHORIZED OR MISUSE OF AUTHORIZED CHEMICALS VOIDS SYSTEM WARRANTY

Do not connect any water line to the system that may contain any of the aforementioned chemicals. Example: Do not connect the inlet of the system to the potable water system or the dockside water system without the filter assembly, if the water systems contain chlorinated or brominated water. These chemicals destroy the copolymer components within the R.O. system. These oxidants and others also damage the R.O. membrane element.

REPAIR AND MAINTENANCE PRECAUTIONS

DO NOT PERFORM REPAIR OR MAINTENANCE UNLESS:

1. The system feed water valve is closed.
2. The system main electrical disconnect switch is switched **OFF, LOCKED, and TAGGED.**

WARNING: ELECTRICAL SHOCK HAZARD. Repair and maintenance may expose the technician to **HIGH VOLTAGE** and electrical shock hazard. Only attempt repair or maintenance if you are a qualified electrician and only if surrounding conditions are safe.

QUALIFICATIONS

Technicians must have technical knowledge and ability in the following fields:

- a) Electrical, Electronic, Electric Motors and Circuits
- b) Electromechanical and Mechanical Systems
- c) Hydraulic and Liquid Pressure and Flow Systems
- d) Piping and Plumbing Systems
- e) Water Suction and Pressure Lines

WARNING: Do not attempt troubleshooting, repair, or maintenance if you are not proficient in the above fields of expertise.

SPECIAL CONSIDERATIONS AND CAUTIONS

Always allow hoses and tubes to enter and exit straight from the connection for a minimum of one inch prior to a bend. If stress is placed on the fitting due to a tight bend, the fitting will leak and may break.

Avoid skin and eye contact with the membrane packaging solution. In case of skin contact, rinse the skin thoroughly with water. In case of eye contact, flush repeatedly with water and notify a physician immediately. R.O. membrane elements are stored in sodium bisulfite.

NEVER set-up liquid-holding component above any electrical or electronic device. Extensive damage to the electronic device will result if liquid enters device during maintenance or component failure.

CONNECTION LINE CAUTIONS: All connection lines should be as short and straight as possible using minimum fittings. The connection lines must not be kinked.

ACCESSIBILITY CAUTIONS: This is a simple rule. Set up the system and its supporting components in an accessible manner. The control panel must be accessible for operation of the system.

R.O. MEMBRANE ELEMENT NOTES

CAUTION: Some systems are shipped **WITHOUT** the reverse osmosis membrane element. This is to accommodate system set-up well in advance of commissioning the system.

DOES THIS SYSTEM HAVE R.O. MEMBRANES INSTALLED OR NOT?

If not, is it your intention to install the R.O. membranes at this time, or do you wish to install them at a later date when the system is commissioned?

If the R.O. membrane element has been installed, there will be a R.O. membrane element serial number tag attached to the pressure vessels. Find this serial number tag to ensure that the R.O. membrane elements have been installed. If the R.O. membrane element serial number tag is missing or does not contain a serial number, then the R.O. membranes are not installed. If the R.O. membrane elements are not installed and you wish to install them at this time, contact FCI Watermakers, Inc. and supply us with your original purchase order number, FCI's invoice number, and this system's serial number.

WARNING: If the reverse osmosis membrane element is not to be installed at this time, ensure that you leave a visible note at the system controller and at the front of the control panel informing the end user that:

The reverse osmosis membrane elements are not installed;
to contact the factory for the R.O. membrane elements; and
DO NOT operate the system without the R.O. membrane
elements installed. Extensive damage will occur if the system is
operated without the R.O. membrane elements installed.

Damage to the system caused by the operation of the system without R.O. membrane elements installed:

- Is **NOT** covered by the FCI Watermakers, Inc. warranty
- Is the liability of the installer if the installer did not notify the end user.
- Is the liability of the end user if the installer notified the end user that the R.O. membranes were not installed and to not operate the system without the R.O. membrane elements installed.

COMPONENT IDENTIFICATION

Figure 1 introduces the components of the system. Each component plays an important part in the operation of the system.

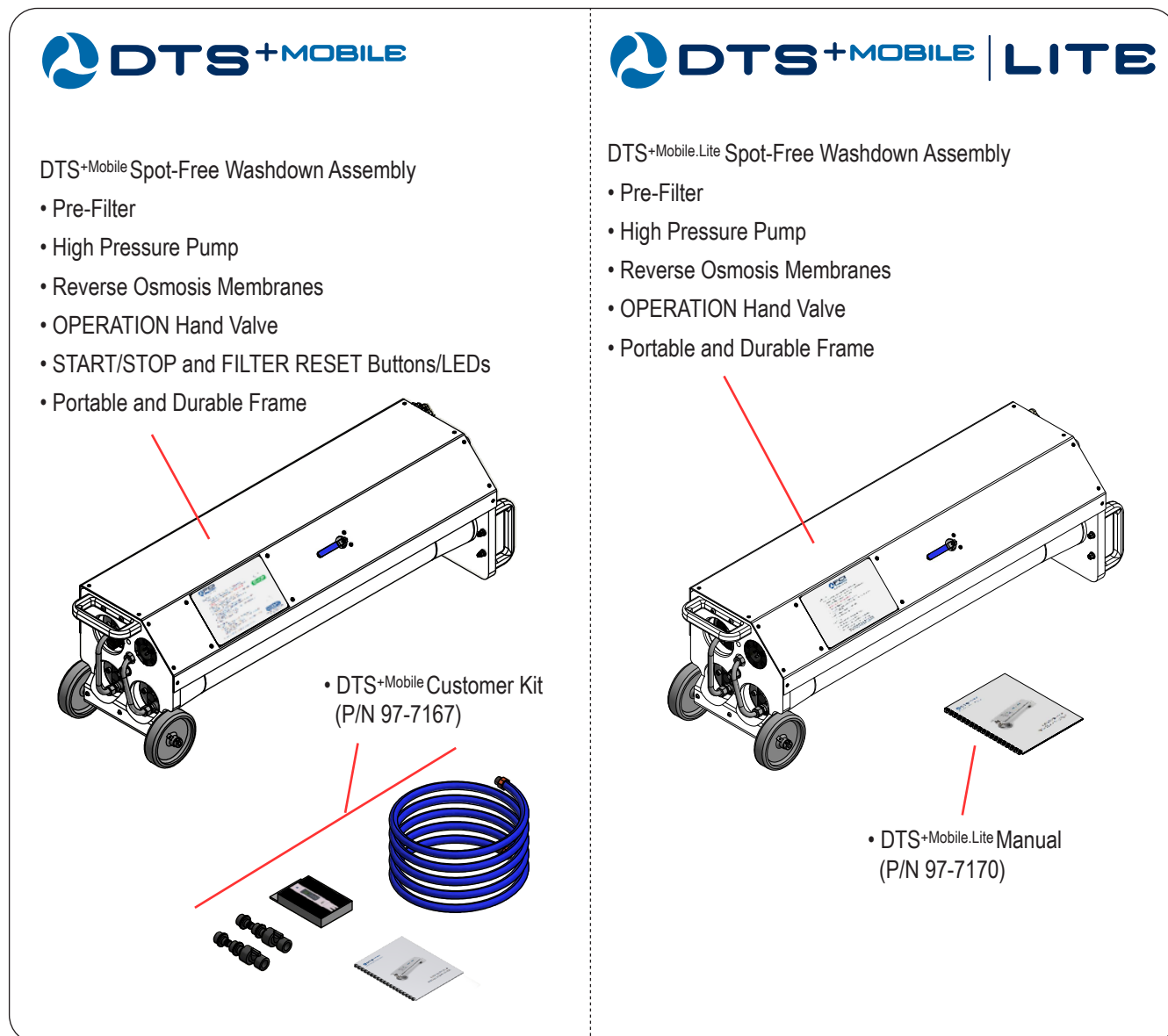


Figure 1: Component Identification

CUSTOMER KIT

The customer kit is provided with Model DTS^{+Mobile} and may be purchased separately for the Model DTS^{+Mobile}.
^{Lite}. The kit components are shown in *Figure 2*.

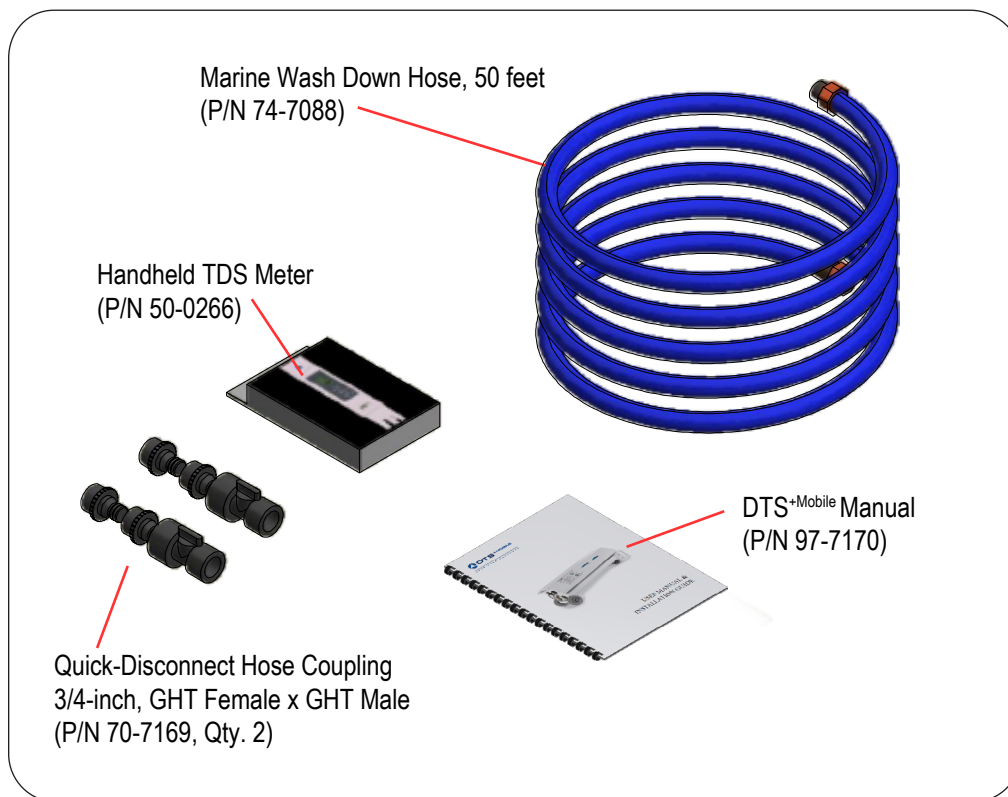


Figure 2: Customer Kit (P/N 97-7167)

COMPONENT DESCRIPTIONS

The system's points of interest are described in this section and shown in *Figure 3* to *Figure 8*.

Use of third party, Non-FCI (or unauthorized) components may lead to premature failure, added operating and maintenance costs, and increased labor. Using third party, Non-FCI components may void any and all FCI Watermakers Warranty. We only wish to help you enjoy the luxury of owning a FCI Desalinating System. Treat it properly by using only FCI supplied parts, recommended consumables, and authorized accessories.

FRAMED ASSEMBLY

The framed assembly contains the pre-filter, the high-pressure pump, the R.O. membranes, the hand valves and electrical components that all work together to make spot-free rinse and purified drinking water from municipal sources. The plumbing connections are on the right side of the framed assembly, including the Inlet Hose Connection and the Wash Hose Connection. The power connection is on the left side of the frame assembly. The operating controls are on the top, the DTS⁺MOBILE includes the START/STOP and FILTER RESET buttons/LEDs, and the OPERATION hand valve. The DTS⁺Mobile.Lite features only the OPERATION hand valve.

The framed assembly is designed to be portable, compact, and durable. Convenient handles and wheels and an easy-to-read operating instruction decal on top of the frame assembly allow you to transport and operate the system at the job site.

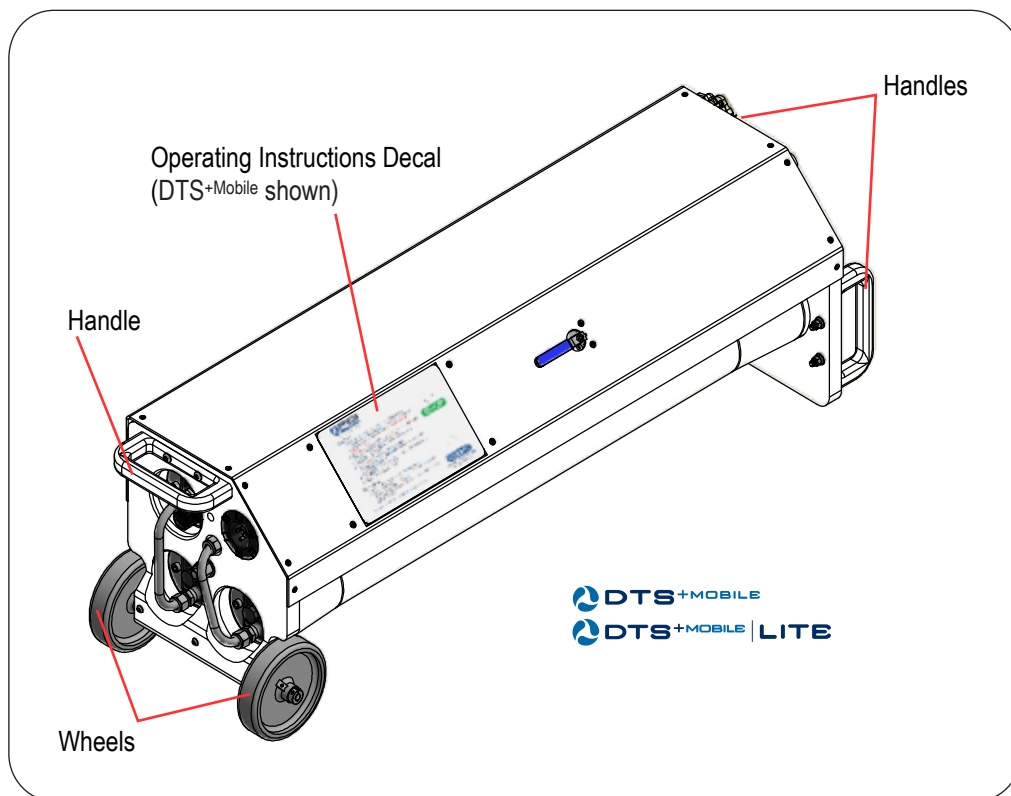


Figure 3: Framed System is designed to be portable, compact, and durable

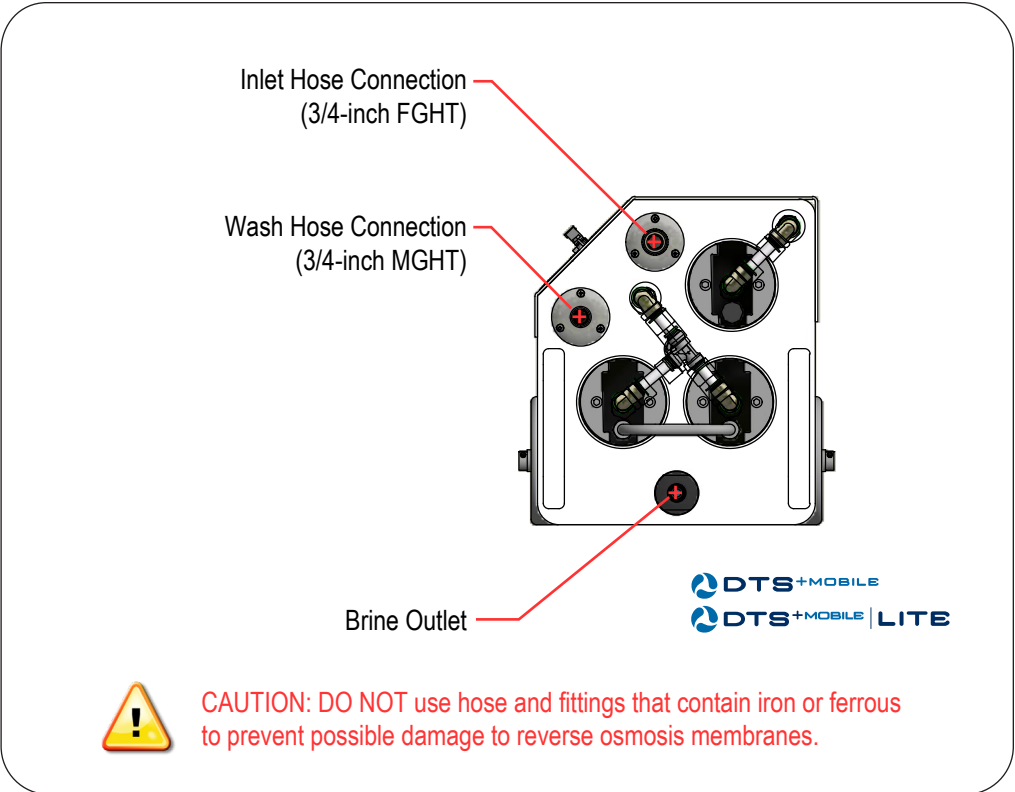


Figure 4: Plumbing connections are on right-side of framed assembly

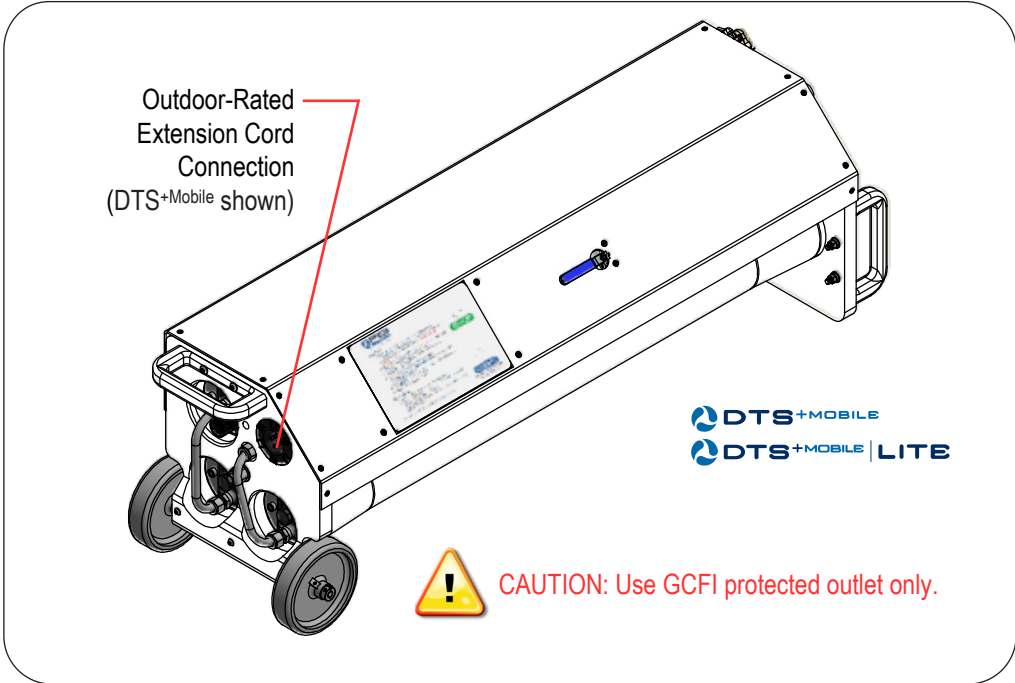


Figure 5: Power connection is on left-side of framed assembly

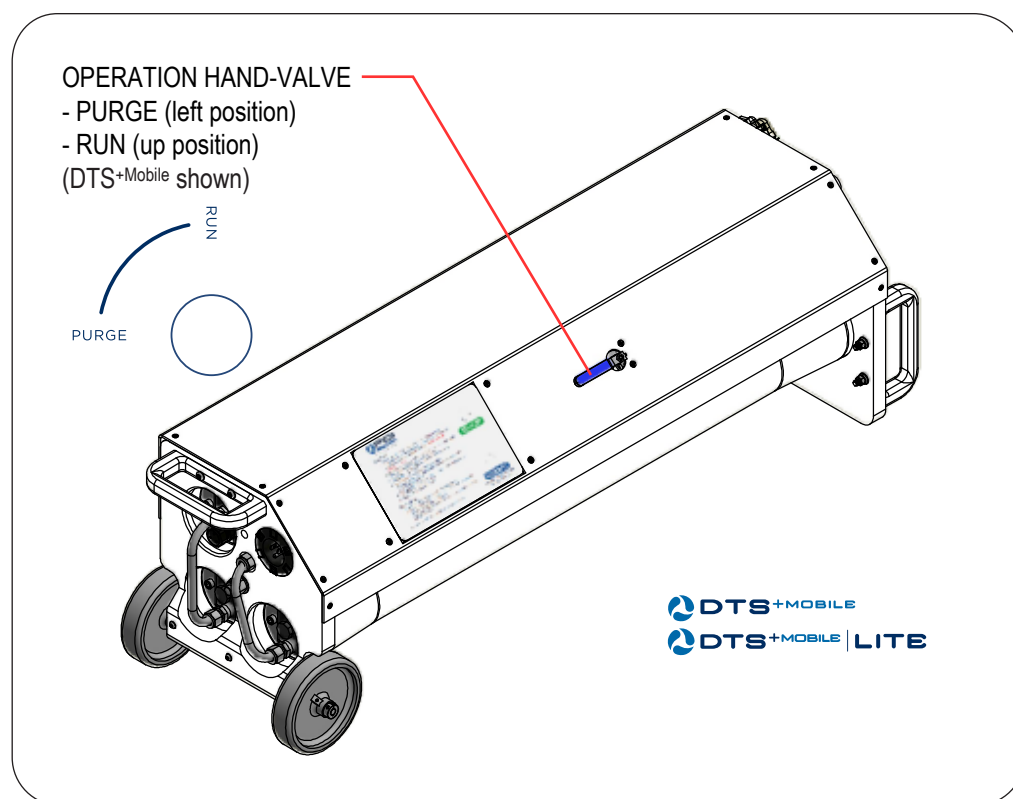


Figure 6: Hand-valves used for operation are on front of framed assembly

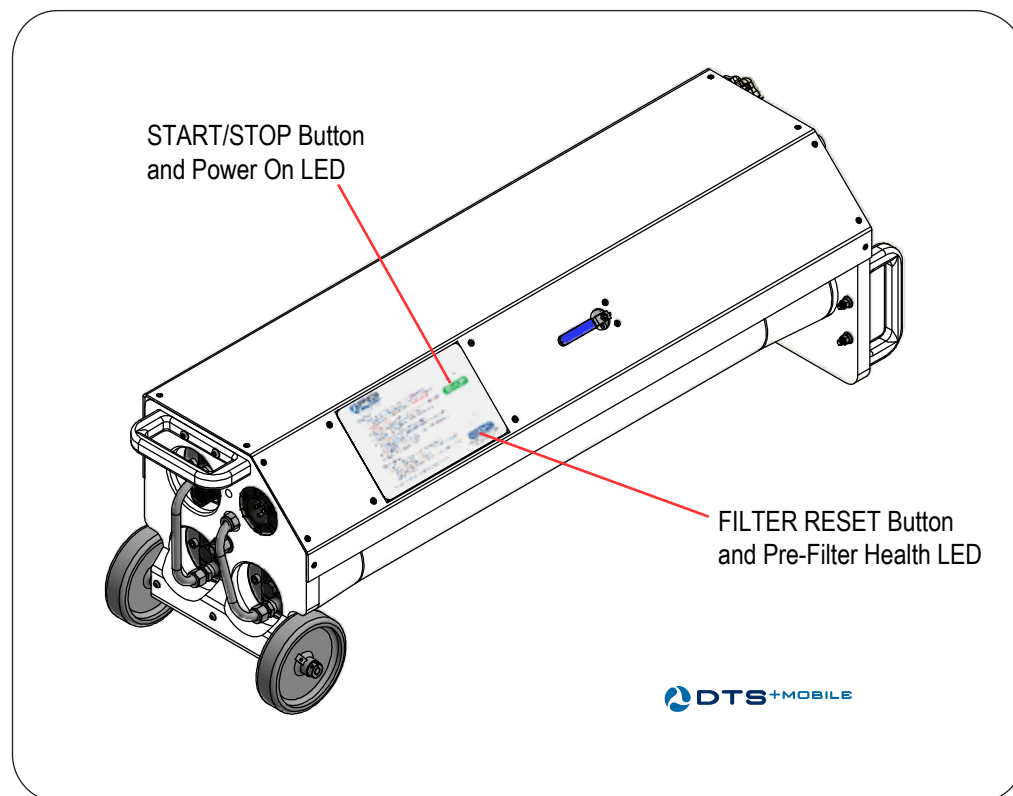
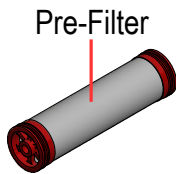


Figure 7: Buttons/LEDs used for operation (DTS+Mobile)

COMPONENT DESCRIPTIONS (continued)



PRE-FILTER

The pre-filter is a replaceable granular activated carbon filter (P/N 20-7111) and is located in the top tubular vessel (*Figure 8*). Chlorine and bromide are harmful to the fresh water membranes. The pre-filter assembly is supplied to remove these chemicals and harmful particulate.

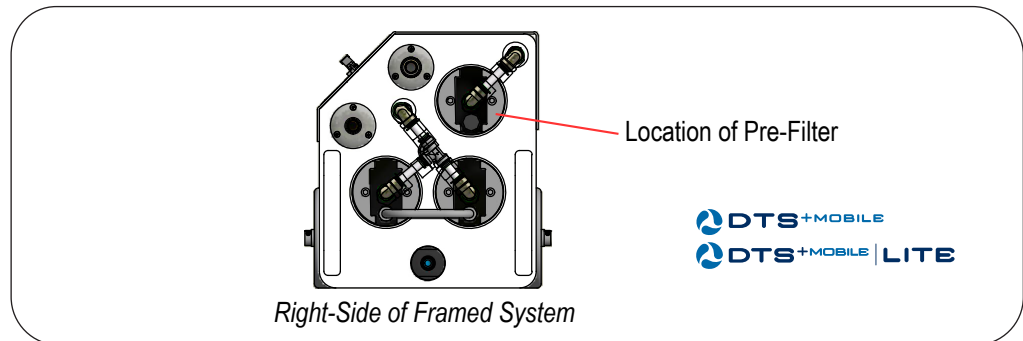


Figure 8: Location of the Pre-Filter

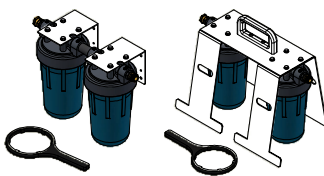
NOTE: The filter is your first line of defense protecting the pump and membrane. Keeping the filter in good condition will help insure trouble-free operation.

WARNING: Do not use third party filter elements, use only FCI filter elements. Third party filter elements do not properly fit and the seams fall apart. They also allow by-pass resulting in damage to pump as well as premature fouling of the R.O. membrane element(s).

CAUTION: Do not use “string wound” or “fiber” filter elements. String wound and fiber filter elements are designed for the photographic film developing industry. If they are used, they will plug up rapidly in one-tenth or less time than a FCI supplied filter cartridge element. This will cause frequent shut downs of the system and frequent changing, resulting in high maintenance cost and user frustration.

For DTS+Mobile, the pre-filter has a timer. After 100 hours of run time from FILTER RESET, the LED illuminates red to indicate it's time to replace the element. After replacing filter, press the FILTER RESET button and hold for two seconds to restart the timer. Note that the Filter Reset Timer will reset whenever the FILTER RESET button is pushed for two seconds, even if the system is off but power is applied.

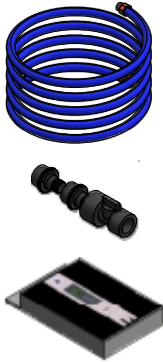
For DTS+Mobile.Lite, track the lifecycle of the pre-filter manually. A decrease in volume or quality of product water may indicate it is time to replace the pre-filter.



ADDITIONAL PRE-FILTERS (optional)

Dual pre-filters assemblies with 5 micron and GAC elements may be used to supplement system protection. The dual pre-filter assembly is installed downstream for the water source. The dual pre-filter comes with a bulkhead mount or with a standing mount. A filter wrench is supplied with the dual pre-filter assembly.

COMPONENT DESCRIPTIONS (continued)



CUSTOMER KIT

The customer kit is supplied with model DTS^{+Mobile} and may be purchased separately for model DTS^{+Mobile.Lite}. The kit contains the wash hose, the hose coupling, the handheld TDS meter, and this manual.

The 50-foot wash hose is marine-grade and attaches to the Wash Hose Connection on the right-side of the framed assembly.

Two hose couplings are included to help attach the hoses to the frame assembly, if needed..

The TDS meter allows you to test the product water's Total Dissolved Solids to measure its purity.

SYSTEM SPECIFICATIONS

Table 1: System Specifications

Operational Requirements	15 PSI Minimum Feed Pressure
	100 PSI Maximum Feed Pressure
Electrical Requirements	11 A @ 120 VAC / 6 A @240 VAC
Pre-Filter Cartridge Lifespan	100 hrs. of run time before filter needs replacing. For DTS+Mobile, the Filter Reset Timer will reset whenever the FILTER RESET button is pushed and held for two seconds, even if the system is off but power is applied.

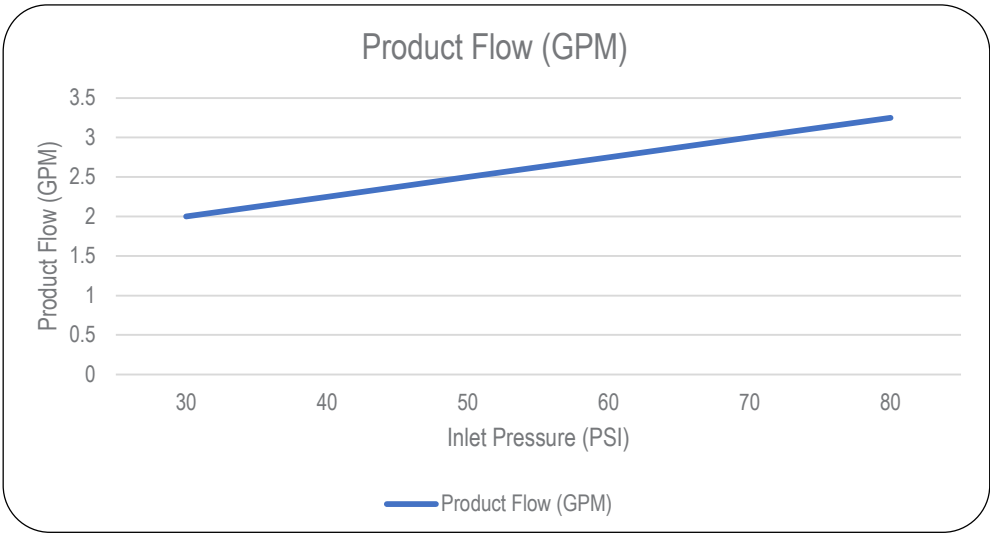


Figure 9: Performance Curve, Inlet PSI and Product Flow GPM Relationship

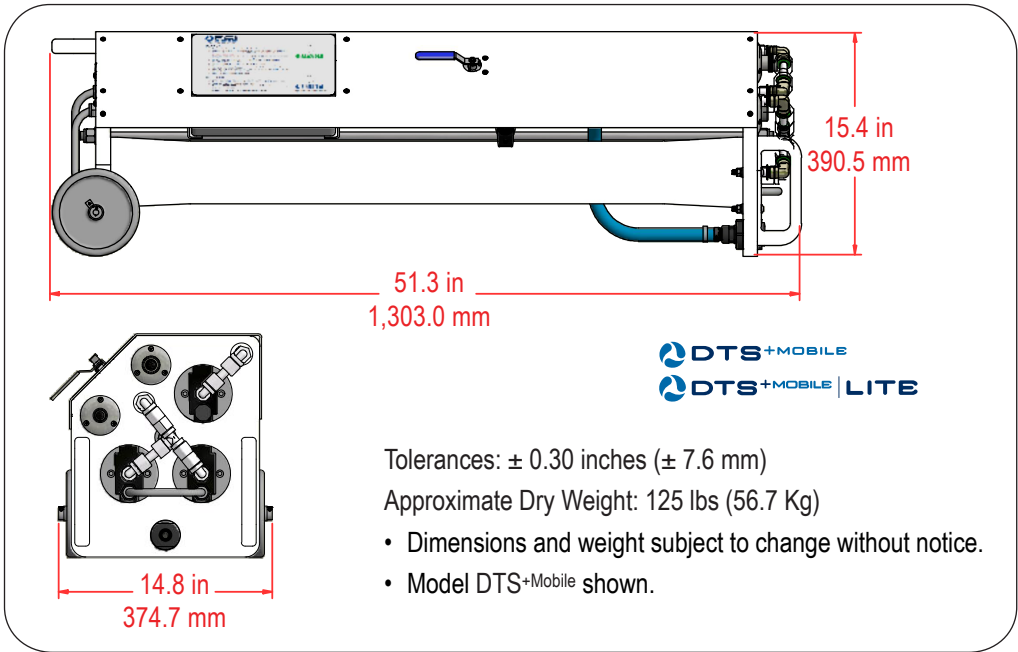


Figure 10: Framed Assembly Dimensions and Weight

SUPPLEMENTAL PRE-FILTER ASSEMBLIES (optional)

Supplemental pre-filters can be installed downstream from the source water to help filter out excess iron or chemicals that may damage membranes. See *Figure 11* and *Figure 12*.



Figure 11: Supplemental Pre-Filter, Bulkhead Mount (optional)

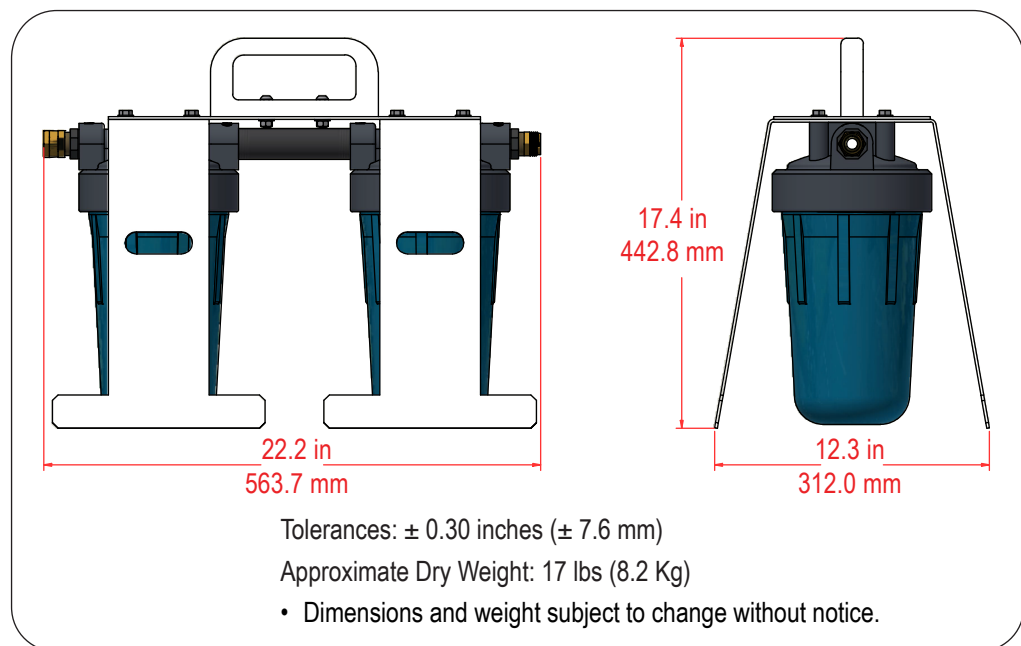


Figure 12: Supplemental Pre-Filter, Standing Mount (optional)

3/ OPERATING INSTRUCTIONS

Prior to Start-Up, it is important to take note of the following:

FEED WATER — Be aware of the condition of the water the system is processing. Is it muddy, silty, or oily? Does it show signs of other man-made contaminants? If this is the case, DO NOT run the system. If these feed water conditions are unavoidable, additional filtration will be necessary. Consult the factory or your local dealer for further details and assistance with specific water conditions.

SALINITY EFFECT — Like water temperature, the salinity of the water has a direct effect on the quantity and the quality of water produced.

PRESSURE EFFECT — The pressure within a system is regulated by the size of the orifice through which the stream flows, creating back pressure in the pressure vessel. This pressure squeezes product water out of the stream. The amount of pressure applied through the system directly affects the quantity and quality of water produced.

TEMPERATURE EFFECT — Water temperature has a great effect on the output of the system (*Figure 11*). Increased water temperature increases output at a given pressure. The reason being, membranes expand in warmer water, allowing the fresh water through more easily.

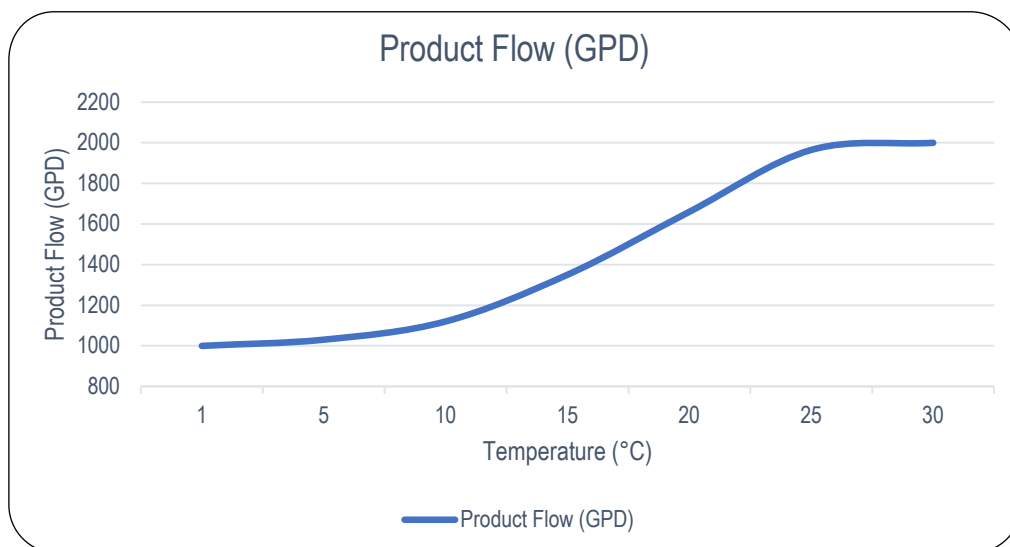


Figure 13: Water Temperature vs. Output (constant pressure)

OPERATING INSTRUCTIONS / DECAL and MID-OP PURGE

For operating instructions, follow the decal on the front of the framed assembly, reproduced in *Figure 14*. for DTS^{+Mobile}, and *Figure 15* on page 30 for DTS^{+Mobile.Lite}. Also, be sure to perform a mid-operation purge if you are using the system longer than an hour. See "MID-OPERATION PURGE" on page 30.

START UP:

1. Connect the Supply Hose to the Inlet Hose Connection on the unit.
2. Connect the Discharge Hose to the Discharge Hose Connection on the unit.
3. Locate and connect power to the DTS^{+Mobile} unit.
CAUTION: Use GCFI protected outlet only.
4. For spot-free rinse, set the OPERATION valve to PURGE.
5. Turn on the unit by pressing the START/STOP button.
6. Momentarily squeeze the spray nozzle until the purge port starts flowing water. This starts the purge process.
7. Allow the system to purge air out of the unit for one minute, and then set the OPERATION valve to the RUN position.
8. Enjoy the benefits of spot-free water!

SHUT DOWN:

1. Locate the OPERATION valve, set to the PURGE position.
2. Momentarily squeeze the spray nozzle until the purge port starts flowing water.
3. Allow the system to purge for one minute.
4. Press the START/STOP button to shut down unit. Turn off the water supply and disconnect hoses.
5. Remove power from the DTS^{+Mobile} unit, once power is removed the system will purge any remaining water.

**FOR ASSISTANCE, CALL 801.906.8840
OR VISIT WWW.FCIWATERMAKERS.COM**

Figure 14: Operating Instruction Decal (Model DTS^{+Mobile})

START UP:

1. Connect the Supply Hose to the Inlet Hose Connection on the unit.
2. Connect the Discharge Hose to the Discharge Hose Connection on the unit.
3. Locate the OPERATION valve and set to PURGE.

CAUTION: Use GCFI protected outlet only.

4. Locate and plug power into the DTS+Mobile Lite unit.
5. The DTS+Mobile Lite unit will start to run, allow the system to purge air out of the unit for one minute.
6. Locate the OPERATION valve and set to RUN.
7. Enjoy the benefits of spot-free water!

SHUT DOWN:

1. Locate the OPERATION valve and set to PURGE.
2. Allow the system to purge for one minute..
3. Locate and unplug power from the DTS+Mobile Lite unit.
4. Allow the DTS+Mobile Lite unit to drain prior to storing.

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OR VISIT WWW.FCIWATERMAKERS.COM**

Figure 15: Operating Instruction Decal (Model DTS⁺Mobile.Lite)

MID-OPERATION PURGE

While using your system in spot-free mode, it is important that you purge the system for one minute for every one hour of operation.

To perform a mid-operation purge, follow these easy steps:

1. Move the OPERATION valve from the RUN position to the PURGE position.
2. Momentarily squeeze the spray nozzle until the purge port starts flowing water. This will start the purge process.
3. Allow the system to purge for one minute, and then set the OPERATION valve back to the Run position.
4. Continue enjoying the benefits of spot-free water!

APPLICATIONS

Enjoy these benefits of spot-free water!

CARS

With the DTS^{+MOBILE} system, you can wash your car and enjoy spot-free water with no need to wipe down once complete. Use bypass mode for the initial wash and then rinse with spot-free water.

BOATS

With the DTS^{+MOBILE} system, you can wash your boat and enjoy spot-free water with no need to wipe down once complete. Use bypass mode for the initial wash and then rinse with spot-free water. You can also use the DTS^{+MOBILE} system to supply R.O. water to your freshwater tank on your vessel. Simply hook up the system to the dock-water feed source and then to your vessel's freshwater system. Enjoy the benefits of R.O. water throughout your vessel. (Note: For every hour of use, you will need to purge the system for one minute.)

RV'S

With the DTS^{+MOBILE} system, you can wash your RV and enjoy spot-free water with no need to wipe down once complete. Use bypass mode for the initial wash and then rinse with spot-free water. You can also use the DTS^{+MOBILE} system to supply R.O. water to the freshwater tank on your RV. Simply hook up the system to the water feed source and then to your RV freshwater system. Enjoy the benefits of R.O. water throughout your RV. (Note: For every hour of use, you will need to purge the system one minute.)

WINDOWS

With the DTS^{+MOBILE} system, you never have to squeegee a window again. Simply use the DTS^{+MOBILE} in spot-free mode to rinse with windows, then allow the windows to dry with no need to wipe down.

SIDING

With the DTS^{+MOBILE} system, you can rinse down the sides of your house, garage, or shed with spot-free water which will both rinse and preserve the finish without using potentially damaging hard water.

DECKS

With the DTS^{+MOBILE} system, you can rinse down your deck with spot-free water which will both rinse and preserve the finish without using potentially damaging hard water.

4/ MAINTENANCE, REPAIR, and PARTS

This chapter provides supplemental information on:

- Replacing the pre-filter element
- Replacing, storing, and winterizing the R.O. membranes
- Troubleshooting

When ordering replacement parts, refer to the illustrated part drawings in this chapter to identify the part numbers.

PRE-FILTER ELEMENT REPLACEMENT

For Model DTS⁺Mobile⁺, it is time to replace the pre-filter element when the LED on the FILTER RESET button illuminates red. For Model DTS⁺Mobile.Lite⁺ replace pre-filter after approximately 100 hours run time.

Refer to *Figure 16* and proceed as follows

1. Ensure the unit is off and unplugged, turn off the water source.
2. Locate the end the of pressure vessel that houses the pre-filter.
3. Remove the low-pressure tube by loosening the nut holding the fitting to the end plug.
4. Remove the two retaining clip screws on the end of the vessel and remove the retaining clips.
5. Remove the end plug, this will allow the pre-filter to be visible inside the pressure vessel.
6. Using a firm grip, reach in the pressure vessel and pull the pre-filter out of the vessel.
7. With the new pre-filter in hand, slide the new pre-filter into the vessel in the same position as the original. Note the position of the seal on one end of the pre-filter. This needs to be in the same position as the original.
8. Reinstall all items in reverse order to complete the membrane replacement process.
9. For Model DTS⁺Mobile⁺: Once complete, press the FILTER RESET button and hold for two seconds. Proceed to use the unit.

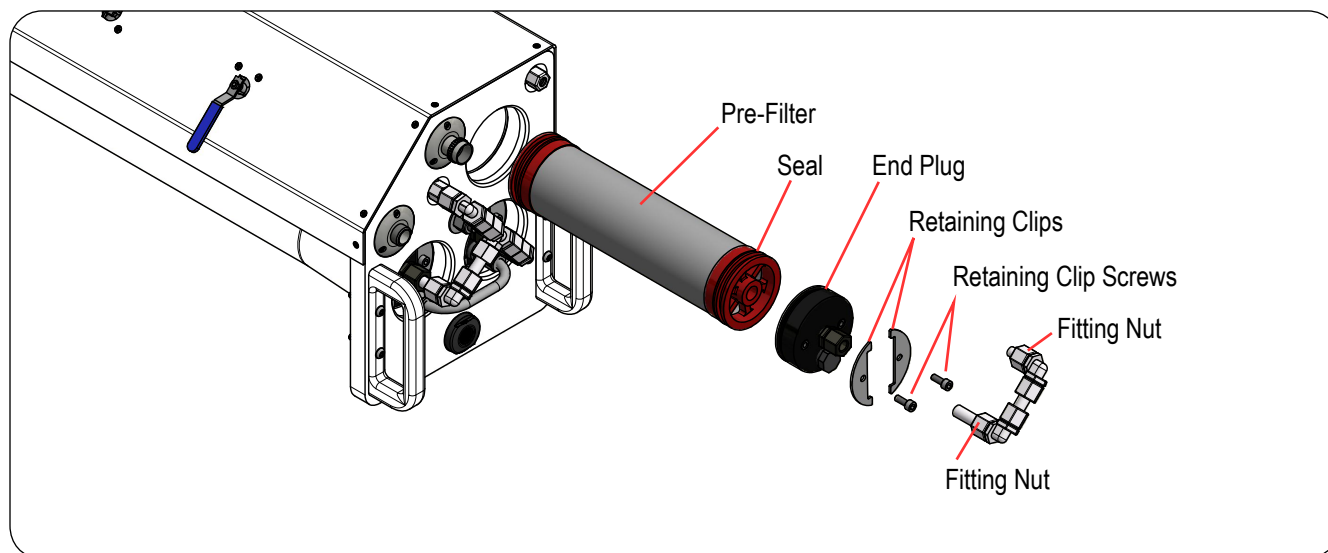


Figure 16: Replacing the Pre-Filter

MEMBRANE REPLACEMENT

As your unit ages, your membrane will start to deteriorate and produce lower grade water. At this time, you will want to replace your membranes to bring the water quality back to new. Refer to *Figure 17* and proceed as follows:

1. Ensure the unit is off and unplugged, turn off the water source.
2. Locate the end the of pressure vessel's that house the membranes.
3. Remove the two high pressure tubes by loosening the nut holding the fitting to the end plug.
4. Remove the two retaining clip screws on the end of the vessel and remove the retaining clips.
5. Remove the end plug, this will allow the membrane to be visible inside the pressure vessel.
6. Using a pair of needle-nose pliers, grab the exposed tube. With a firm grip pull the membrane out of the vessel.
7. Take the new membrane out of the bag. Take care NOT to get the new membrane dirty.
8. With the new membrane in hand, slide into the vessel in the same position as the original. Note the position of the seal on one end of the membrane. This needs to be in the same position as the original.
9. Inspect the o-rings, replace if needed, lubricate the o-rings and slide into the vessel.
10. Reinstall all items in reverse order to complete the membrane replacement process.
11. Once complete, proceed to run system and enjoy spot free washing.

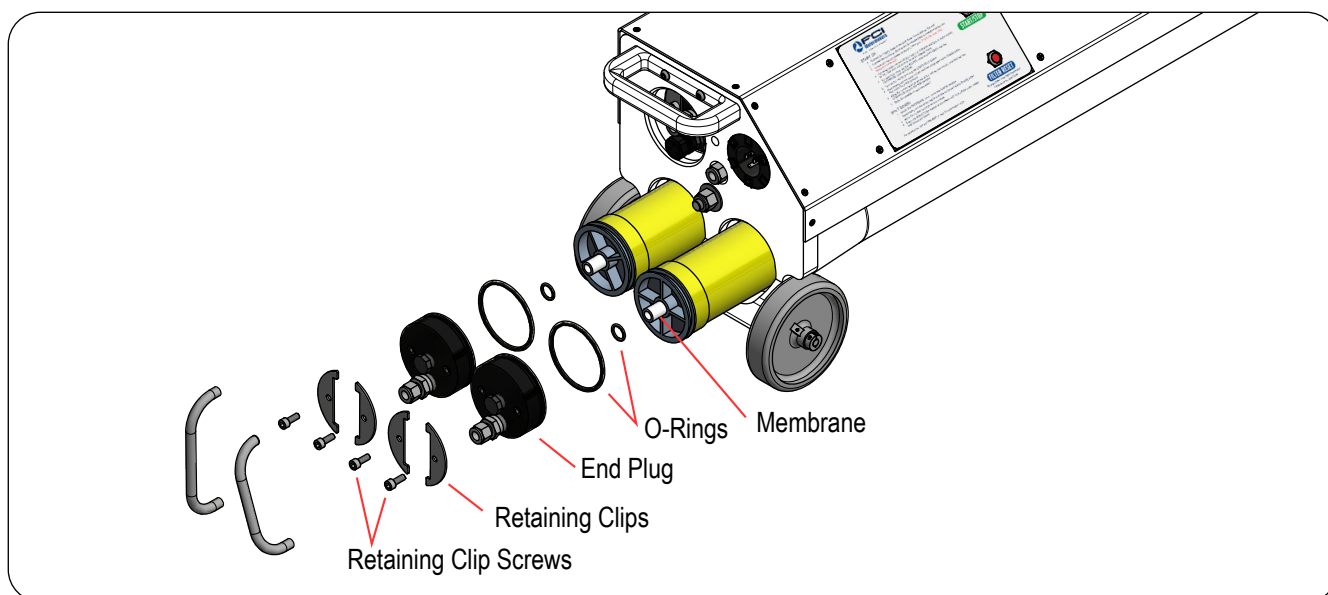


Figure 17: Replacing the Membrane

SUPPLEMENTAL PRE-FILTER ELEMENT REPLACEMENT (if equipped)

To replace the supplemental pre-filter elements, refer to *Figure 18* and proceed as follows:

1. With system off and source water closed, unscrew the filter bowl. When the bowl is free from the lid, the bowl has room to drop down about an inch and then the bowl can be tilted and removed from the frame.
2. Remove cartridge, drain and clean debris from inside bowl. Be sure not to discard the O-rings when emptying bowl.
3. Install new FCI cartridge, P/N 20-0021 for 5 micron white and P/N 20-0026 for GAC micron blue.
4. **CAUTION:** Be sure to place the white 5 micron cartridge in the bowl on the inlet side, and the blue 5 micron cartridge in the bowl on the outlet side. **DO NOT MIX UP THE CARTRIDGES.**
5. 7 Replace the bowl.
6. After a cartridge change, the watermaker will need to be primed and the housing bled of air.

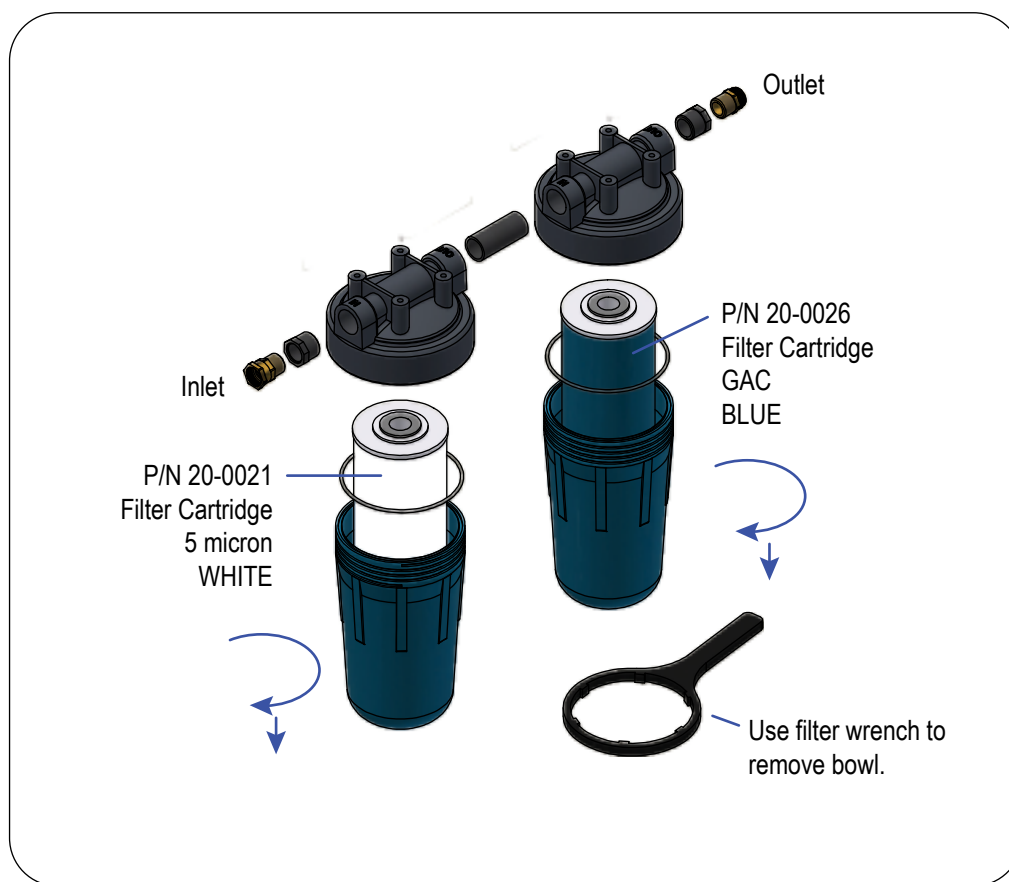


Figure 18: Replacing the Supplemental Pre-Filter Elements (optional)

STORAGE and WINTERIZING PROCEDURES

Invariably there will be times when the watermaker will not be used. During this time, it is recommended that the system be shut down and certain precautions are taken. By following these simple instructions, your FCI System will continue to provide you with fresh water for years to come.

STORAGE PROCEDURES

Flush the membranes with fresh water weekly to keep them wet.

WINTERIZING PROCEDURE

If the system will be exposed to freezing temperatures, the system must be drained of all product water and rinsed with a solution of product water with 20% food-grade glycerin (propylene glycol).

WARNING: FREEZING TEMPERATURE

The system must be protected from freezing if it will be exposed to temperatures below 32°F (0°C). Freezing temperatures (below 32°F / 0°C) will cause extensive damage to the system as the water expands within the system during the freezing process. Resulting damage to the system caused by freezing temperatures is the liability of the operator. DO NOT subject the system to temperatures below 32°F (0°C) unless the system has been rinsed with a solution of product water and twenty percent (20%) food-grade glycerin (propylene glycol).

TROUBLESHOOTING

Refer to *Table 2* for possible causes and corresponding items to check in case of issues with product flow.

Table 2: Troubleshooting

Issue	Possible Cause	Check
Low Product Flow	Cold Feed Water	See <i>page 28</i> for Water Temperature Effect
	Clogged Pre-Filter	Replace Pre-Filter
	Membrane	Replace Membrane
	Damaged Product O-Rings	Inspect / Replace O-Rings
	Operate Valve Position	Should be in Run Position
	Failed Flow Restrictor	Call Factory
No Product Flow	Damaged Membranes	Inspect / Replace Membranes
	Select Valve Position	Should be in Spot-Free Position
Poor Product Quality	Feed Water Condition	See <i>page 26</i> for Operation Parameters
	High Feed TDS	Check Feed TDS and Call Factory
	Operate Valve Position	Should be in Run Position
	Damaged Product O-Rings	Inspect / Replace O-Rings
	Membrane	Replace Membrane
Unit Does Not Turn On	Inlet Power	Check Electrical Source

FCI WATERMAKERS, INC.



ILLUSTRATED PARTS / SYSTEM (continued)

1

2

3

4

B

A

Exploded view diagram of a water filtration system. Callouts 1 through 9 point to the following parts:

- 1: Assy. Frame, DTS+Mobile
- 2: Assy. Wheel Setup, DTS+Mobile
- 3: Assy. Discharge, DTS+Mobile
- 4: Assy. Vessel Setup, DTS+Mobile-240
- 5: Assy. Inlet Piping, DTS+Mobile
- 6: Assy. Electrical Control, DTS+Mobile Lite
- 7: Assy. Discharge Piping, DTS+Mobile Lite
- 8: Assy. Operation / Purge Valve, DTS+Mobile Lite
- 9: Manual, DTS+Mobile

1

2

3

4

B

A

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	93-7052	Assy. Frame, DTS+Mobile
2	1	93-7054	Assy. Wheel Setup, DTS+Mobile
3	1	93-7235	Assy. Discharge, DTS+Mobile
4	1	93-8129	Assy. Vessel Setup, DTS+Mobile-240
5	1	93-7502	Assy. Inlet Piping, DTS+Mobile
6	1	93-8367	Assy. Electrical Control, DTS+Mobile Lite
7	1	93-8368	Assy. Discharge Piping, DTS+Mobile Lite
8	1	93-8369	Assy. Operation / Purge Valve, DTS+Mobile Lite
9	1	97-7170	Manual, DTS+Mobile

APPROVALS

DATE

PREPARED BY

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APPROVED BY

DATE

3/19/25

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watermakers

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SIZE

A

DRAWING NUMBER

DTS+Mobile Lite, 240 VAC

REV

A

DO NOT SCALE

SHEET 2 OF 2

ILLUSTRATED PARTS / SYSTEM (continued)

1

2

3

4

B

A

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	93-7052	Asy, Frame, DTS-Mobile
2	1	93-7054	Asy, Wheel Setup, DTS-Mobile
3	1	93-7167	DTS-Mobile Customer Kit
4	1	93-7227	Asy, Electrical Control, DTS-Mobile
5	1	93-7235	Asy, Discharge, DTS-Mobile
6	1	93-7481	Asy, Vessel Setup, DTS-Mobile
7	1	93-7502	Asy, Inlet Piping, DTS-Mobile
8	1	93-7503	Asy, Discharge Piping, DTS-Mobile
9	1	93-7504	Asy, Operation / Purge Valve, DTS-Mobile

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5/1/2019

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watermakers

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DTS-Mobile, 120 VAC

D

DO NOT SCALE

SHEET 2 OF 3

ILLUSTRATED PARTS / SYSTEM (continued)

1

2

3

4

B

A

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	93-7052	Asy, Frame, DTS-Mobile
2	1	93-7054	Asy, Wheel Setup, DTS-Mobile
3	1	93-7167	DTS-Mobile Accessory Kit
4	1	93-7227	Asy, Electrical Control, DTS-Mobile
5	1	93-7235	Asy, Discharge, DTS-Mobile
7	1	93-7502	Asy, Inlet Piping, DTS-Mobile
8	1	93-7503	Asy, Discharge Piping, DTS-Mobile
9	1	93-7504	Asy, Operation / Purge Valve, DTS-Mobile
10	1	93-8129	Asy, Vessel Setup, DTS-Mobile-240

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DATE

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DO NOT SCALE

SHEET 2 OF 2

ILLUSTRATED PARTS / FRAME (continued)

1

2

3

4

B

A

REV		DESCRIPTION		DATE		ENG		MFG	
A	Production Release			5/7/19	RB				
REVISIONS									

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	67-7057	Shaft Collar, 3/8" Dia, SS
2	2	69-7055	Wheel, 6" Dia x 1-1/2" Width, 3/8" ID, Roller Bearing
3	1	92-7056-14.75	Shaft, 3/8" Dia, SS

APPROVALS

DATE

5/7/2019

Mark

5/7/2019

PREPARED BY

Mark

5/7/2019

CHECKED BY

Mark

5/7/2019

APPROVED BY

Mark

5/7/2019

FCI

FILTRATION CONCEPTS INC.

TEL (801) 906-3840

FAX (801) 906-3988

WWW.FCIWATERMAKERS.COM

Assy, Wheel Setup, DTS+Mobile

93-7054

DO NOT SCALE

SHEET 1 OF 1

ILLUSTRATED PARTS / VESSELS

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

Exploded view diagram of a water pump assembly. The diagram shows the main pump unit and its various components, including the pump head, impeller, shaft, and housing. Numbered callouts (1-22) point to specific parts, which are detailed in the Parts List table. The assembly is shown in a disassembled state to illustrate the relationship between the various components.

REV	DESCRIPTION	DATE	ENG	MFG
A	Production Release	08/01/20	MA	

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10-1623	Membrane, Tap Water
2	3	11-5396	Vessel, 4 x 40, FRP, 300 PSI
3	1	20-7111	Pre-Filler / GAC, DTS-Mobile
4	1	45-7034	Pump, 4" Submersible, 10 GPM, 1/2 HP, 115 VAC, 2 Wire
5	1	52-7090	Cord Grip, 1/2" Trade Size, 3 Cords, Nylon
6	3	67-3585	Hex head Cap Screw, SS, 1/4-20 x 1 1/2"
7	3	68-7082	Spacer, 1/2" OD x 1/4" Hole Dia x 1/4" Height, Plastic
8	3	70-1973	Plug, Threaded, 1/2" PVC
9	1	70-7081	Bushing, 1-1/4" x 1/2", T x T, PVC, Sch 80
10	3	71-7353	Adaptor, Straight, 1/2" MNPT x 1/2" Tube, Nickel Plated Brass
11	5	71-7354	Adaptor, Elbow, 1/2" Tube x 1/2" Tube, Nickel Plated Brass
12	1	71-7482	Adaptor, Tee, 1/2" Tube x 1/2" Tube x 1/2" Tube, Nickel Plated Brass
13	1	72-5308-7.6	Tubing, 3/16 SS, 0.035 Wall, 1/2" Annealed
14	1	72-5308-8.5	Tubing, 3/16 SS, 0.035 Wall, 1/2" Annealed
15	1	72-5308-9.5	Tubing, 3/16 SS, 0.035 Wall, 1/2" Annealed
16	5	72-7064	Adaptor, Straight, 1/2" MNPT x 1/2" Tube, 316 SS
17	2	74-7070-1.00	Tubing, PE, 1/2", White
18	2	74-7070-1.9	Tubing, PE, 1/2", White
19	3	74-7070-2.0	Tubing, PE, 1/2", White
20	2	74-7070-2.5	Tubing, PE, 1/2", White
21	1	91-7049	Spacer, Pump Center Guide, DTS-Mobile
22	1	91-7083	Adaptor, Pump Discharge, DTS-Mobile

APPROVALS

DATE

8/1/2020

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Assy, Vessel Setup, DTS-Mobile-120

93-7481

DO NOT SCALE

SHEET 1 OF 1

1

2

3

4

B

A

Exploded view diagram of a water filtration vessel assembly. The diagram shows a pump (3) connected to a filter housing (4) which contains a filter (2). Various fittings, adapters, and tubes are shown in an exploded view around the main assembly. Callout numbers 1 through 22 point to specific parts. The assembly is labeled with 'A' and 'B' at the bottom corners.

REVISIONS		DATE	ENG	MFG
REV	DESCRIPTION			
A	Production Release	08/01/20	MA	

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	10-1623	Membrane, Tap Water
2	3	11-5396	Vessel, 4 x 40, FRP, 300 PSI
3	1	20-7111	Pre-Filter / GAC, DTS-Mobile
4	1	45-7035	Pump, 4" Submersible, 10 GPM, 1/2 HP, 230 VAC, 2 Wire
5	1	52-7090	Cord Grip, 1/2" Trade Size, 3 Cords, Nylon
6	3	67-3585	Hex head Cap Screw, SS, 1/4-20 x 1 1/2"
7	3	68-7082	Spacer, 1/2" OD x 1/4" Hole Dia x 1/4" Height, Plastic
8	3	70-1973	Plug, Threaded, 1/2" PVC
9	1	70-7081	Bushing, 1-1/4" x 1/2", T x T, PVC, Sch 80
10	3	71-7353	Adaptor, Straight, 1/2" MNPT x 1/2" Tube, Nickel Plated Brass
11	5	71-7354	Adaptor, Elbow, 1/2" Tube x 1/2" Tube, Nickel Plated Brass
12	1	71-7482	Adaptor, Tee, 1/2" Tube x 1/2" Tube x 1/2" Tube, Nickel Plated Brass
13	1	72-5308-7.6	Tubing, 3/16 SS, 0.035 Wall, 1/2" Annealed
14	1	72-5308-8.5	Tubing, 3/16 SS, 0.035 Wall, 1/2" Annealed
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20	2	74-7070-2.5	Tubing, PE, 1/2", White
21	1	91-7049	Spacer, Pump Center Guide, DTS-Mobile
22	1	91-7083	Adaptor, Pump Discharge, DTS-Mobile

APPROVALS

DATE

8/1/2020

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1/18

ANGLES

X-A 8.010

Y-A 8.010

Z-A 8.010

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Watermakers

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Assy, Vessel Setup, DTS-Mobile-240

93-8129

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SHEET 1 OF 1

ILLUSTRATED PARTS / CUSTOMER KIT

1

2

3

4

B

A

REV	DESCRIPTION	DATE	ENG	MFG
A	Production Release	7/25/19	RB	

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	50-0266	TDS Meter, Handheld
2	2	70-7169	Hose Coupling, 3/4\"
3	1	74-7088	Hose, Wash Down, Marine, Length: 50 Feet
4	1	97-7170	Manual, DTS+Mobile

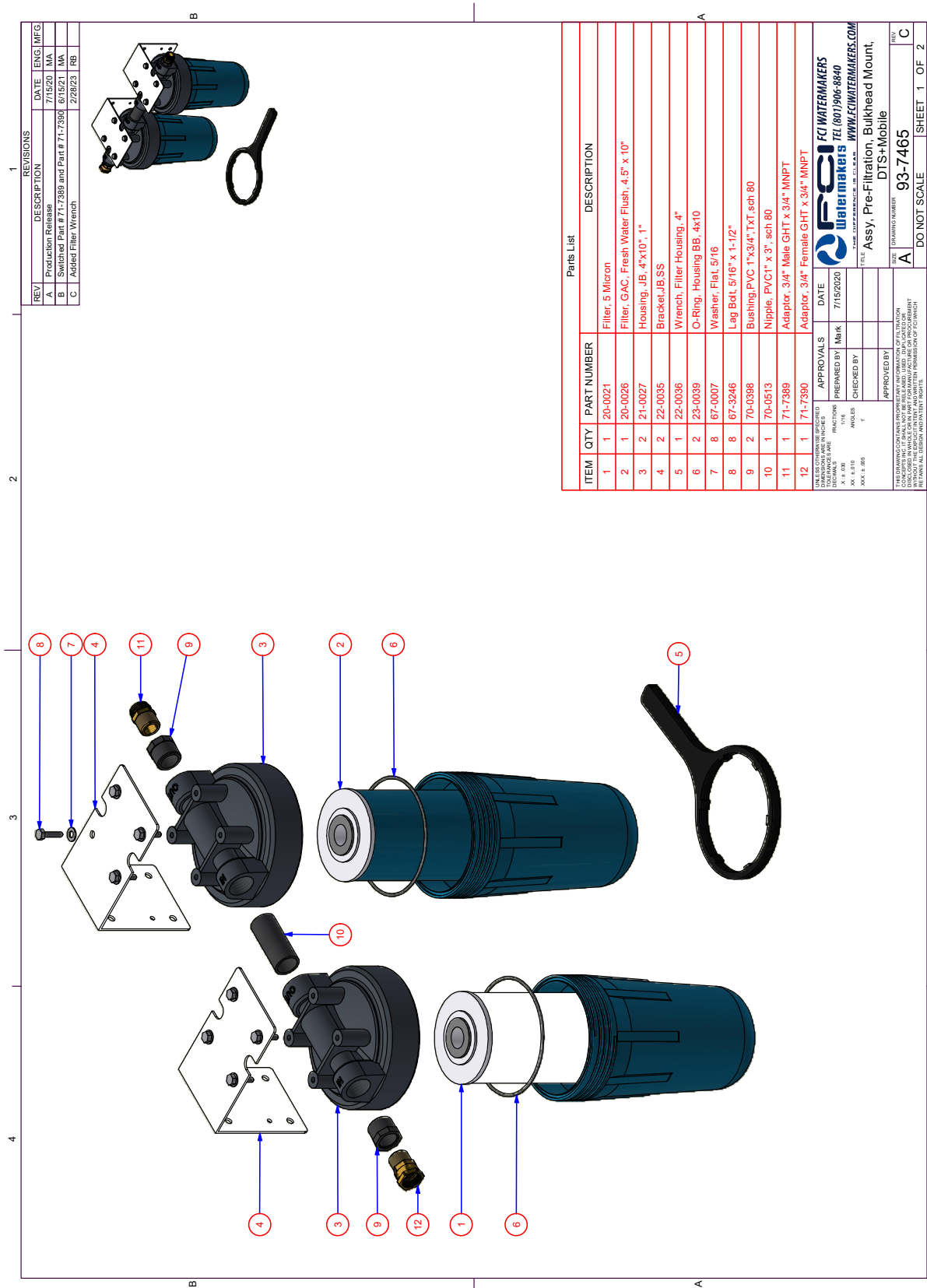
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DTS+Mobile Accessory Kit

DO NOT SCALE

DRAWING NUMBER
93-7167

SHEET 1 OF 1



FCI WATERMAKERS, INC.



5/ REVISION HISTORY

REVISION HISTORY

Revision	Date	Description
A	08/15/2019	Initial release.
B	01/13/2020	Orthogonal view of system updated. Illustrated Parts for system updated to Rev B. Performance graphs updated. To reset Pre-filter Health LED, hold FILTER RESET button for two seconds..
C	05/17/2020	Performance Curve updated.
D	01/16/2021	Cover updated. Manual updated to unit without by-pass..
E	06/04/2023	Warranty updated.
F	08/03/2025	Lite model added.

NOTES



Document Part Number: 97-7170 Revision F

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