



**Pure Water**  
Anytime, Anywhere

Marine Desalination Systems



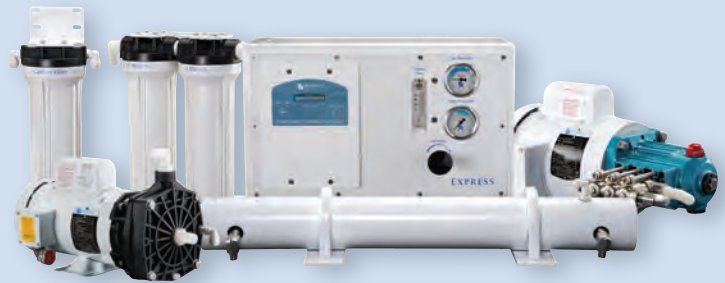
# Express

## Small and Compact

From 200 to 800 gallons per day  
(760 - 3,030 liters per day)



COMPACT



MODULAR

The Blue Water EXPRESS series of watermakers is designed to fit into the tight spaces of small and mid-sized yachts. These systems offer semi-automatic operation utilizing traditional switches and a manual high pressure valve. An electronic controller automatically diverts product water to the storage tank and LED lights indicate product water salinity and system status. The EXPRESS series includes an automatic Fresh Water Flush system as standard. The Express 200 is available in 12V or 24V DC.

### Express Systems Feature:

- Fresh Water Flush system
- High Rejection membranes
- Quiet and reliable high pressure pumps
- Product water Carbon filter
- Dual voltage 50/60 Hz motors
- Stainless steel booster pump shaft
- Designed for ease of service and maintenance
- Installation kit including bronze sea strainer
- No charge upgrade to Commercial Pre-filter

### Express System Advantages:

- Semi-Automatic operation
- Simple controller with LED indicators
- Optional remote control
- Compact design
- Easy operation
- High and low pressure safety switches
- Available in both compact frame and modular component style configurations

## EXPRESS SPECIFICATIONS

Model #	No. of Membranes	Production per hour	Production per 24 hours	Weight (lbs. / kg.)
EXS 200	1	8 Gal / 32 L	200 Gal / 760 L	85 / 39
EXS 360	1	15 Gal / 57 L	360 Gal / 1,360 L	90 / 41
EXS 600	1	25 Gal / 95 L	600 Gal / 2,270 L	110 / 50
EXS 800	1	33 Gal / 126 L	800 Gal / 3,030 L	110 / 50

Model #	Feed Flow GPM	Booster Pump HP   KW	HP Pump HP   KW	Run Amps 110 / 220	Start Amps 110 / 220
EXS 200	0.5	0.5   0.37	0.5   0.37	7 / 3.5*	56 / 28*
EXS 360	1.5	0.5   0.37	1   0.74	13 / 6.5*	72 / 36*
EXS 600	3.0	0.5   0.37	2   1.47	26 / 13	94 / 47
EXS 800	3.0	0.5   0.37	2   1.47	26 / 13	94 / 47

Model #	Feed Flow GPM	Booster Pump HP   KW	HP Pump HP   KW	Run Amps 12V / 24V	Start Amps 12V / 24V
EXS 200 DC	0.5	0.10   0.07	0.33   0.25	27A / 13.5A	90A / 45A

\*Magnetic drive booster pump available which will decrease Run and Start Amperage. Consult factory for details.

# Express XT

## Simple Fully Automatic Watermaker

From 200 to 800 gallons per day  
(755 - 3,030 liters per day)



COMPACT



MODULAR

The Blue Water EXPRESS XT watermakers feature fully automatic operation with capacities of up to 33 gallons per hour (126 liters per hour). These units were designed to fit into the tight spaces of small and mid-sized yachts. The one touch operation makes the EXPRESS XT series ideal for applications where it is difficult to access the watermaker while the vessel is underway. The Express XT series includes an automatic Fresh Water Flush system as standard. The Express XT 200 is available in 12V or 24V DC.

### Express XT Systems Feature:

- Full Automatic Operation
- Fresh Water Flush system
- High Rejection membranes
- Product water Carbon filter
- Dual voltage 50/60 Hz motors
- Stainless steel booster pump shaft
- Designed for ease of service and maintenance
- Installation kit including bronze sea strainer
- No charge upgrade to Commercial Pre-filter

### Express XT System Advantages:

- One-touch operation
- Simple controller with LCD screen
- Optional remote control
- Low pressure safety switch
- High Pressure monel transducer
- Available in both compact frame and modular component style configurations
- Adjustable FWF interval up to 10 days

## EXPRESS XT SPECIFICATIONS

Model #	Production / hour	Production / 24 hour	Weight (lbs. / kg.)		
EX XT 200	8 Gal / 30 L	200 Gal / 755 L	85 / 39		
EX XT 360	15 Gal / 57 L	360 Gal / 1,360 L	90 / 41		
EX XT 600	25 Gal / 95 L	600 Gal / 2,270 L	110 / 50		
EX XT 800	33 Gal / 126 L	800 Gal / 3,030 L	115 / 52		

Model #	Feed Flow GPM	Booster Pump HP   KW	HP Pump HP   KW	Run Amps 110 / 220	Start Amps 110 / 220
EX XT 200	0.5	0.5   0.37	0.5   0.37	7 / 3.5*	56 / 28*
EX XT 360	1.5	0.5   0.37	1   0.74	13 / 6.5*	72 / 36*
EX XT 600	3.0	0.5   0.37	2   1.47	26 / 13	94 / 47
EX XT 800	3.0	0.5   0.37	2   1.47	26 / 13	94 / 47

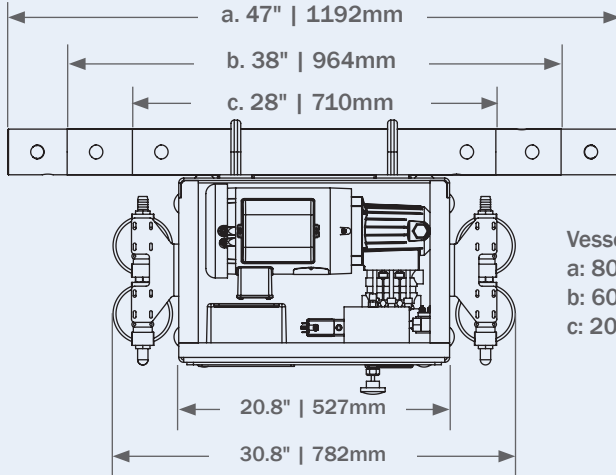
  

Model #	Feed Flow GPM	Booster Pump HP   KW	HP Pump HP   KW	Run Amps 12V / 24V	Start Amps 12V / 24V
EX XT 200 DC	0.5	0.10   0.07	0.33   0.25	27A / 13.5A	90A / 45A

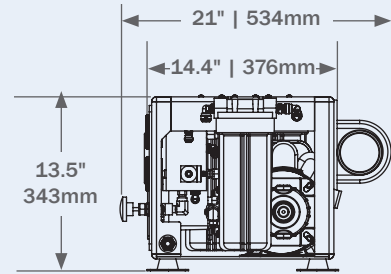
\*Magnetic drive booster pump available which will decrease Run and Start Amperage. Consult factory for details.

# EXPRESS / EXPRESS XT DIMENSIONS

## COMPACT



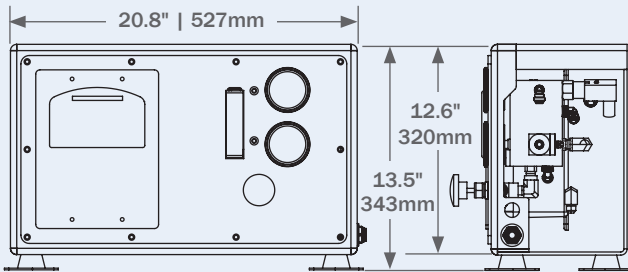
**Vessel Assembly**  
 a: 800 GPD  
 b: 600 GPD  
 c: 200 GPD / 360 GPD



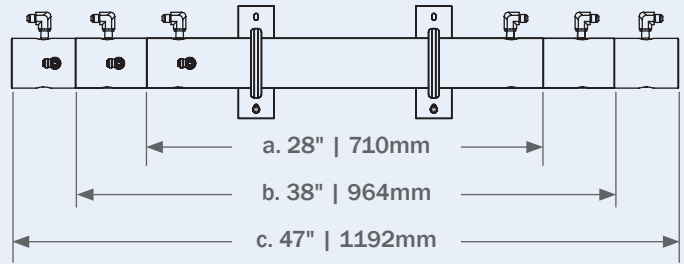
Right Side View

Top View

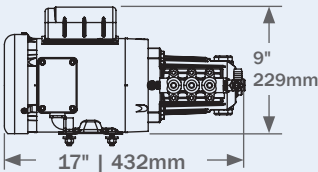
## MODULAR



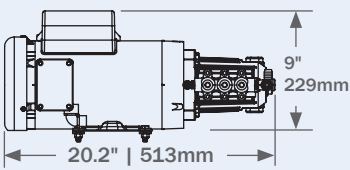
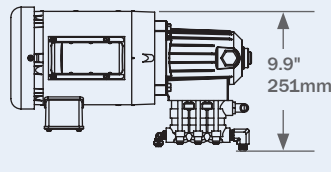
Main Control Panel



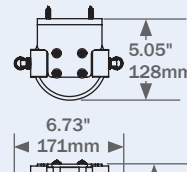
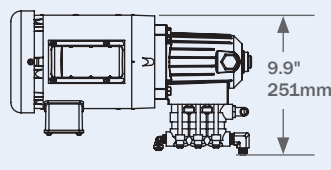
Vessels Assembly - a: 360 GPD | b: 600 GPD | c: 800 GPD



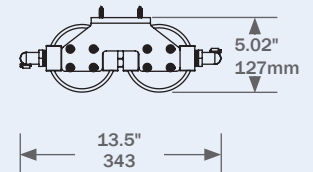
HP Pump (200 & 360)



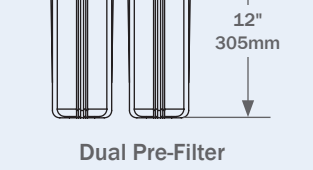
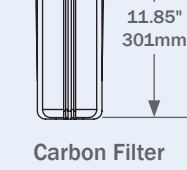
HP Pump (600 & 800)



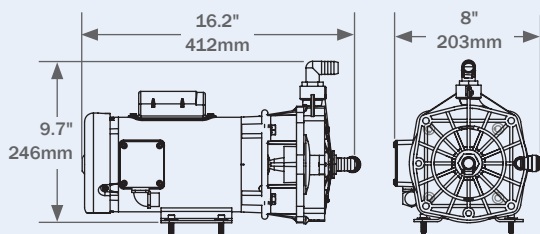
Carbon Filter



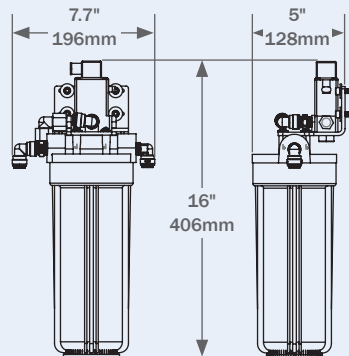
Dual Pre-Filter



## Components - Compact & Modular

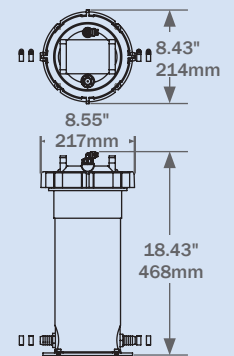


Booster Pump



Fresh Water Flush

Optional



Commercial Pre-Filter / OW Separator



# Explorer

## Semi-Automatic High Production Capability

From 475 to 1,800 gallons per day  
(1,800 - 6,810 liters per day)



COMPACT



MODULAR

The Blue Water EXPLORER series of watermakers offers semi-automatic operation in a wide range of capacities to fit the needs of most mid to large sized yachts. The system is operated by traditional switches and a manual high pressure valve. An electronic controller automatically diverts product water to the storage tank and an LCD screen indicates product water salinity and system status. The EXPLORER series includes an automatic Fresh Water Flush system as standard.

### Explorer Systems Feature:

- Fresh Water Flush system
- High Rejection membranes
- Quiet and reliable high pressure pumps
- Product water Carbon filter
- Dual voltage 50/60 Hz motors
- Stainless steel booster pump shaft
- Designed for ease of service & maintenance
- Installation kit including bronze sea strainer
- No charge upgrade to Commercial Pre-filter

### Explorer System Advantages:

- Semi-Automatic operation
- Simple controller with LCD screen
- Optional remote control
- Compact design
- Expandable to 1,800 gallons per day
- High and low pressure safety switches
- Available in both compact frame and modular component style configurations

## EXPLORER SPECIFICATIONS

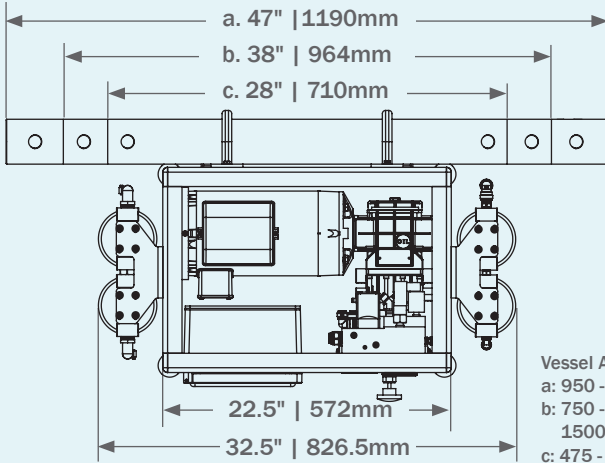
Model #	No. of Membranes	Production per hour	Production per 24 hours	Feed Flow GPM	Weight (lbs. / kg.)
EXL 475	1	20 Gal / 75 L	475 Gal / 1,800 L	4.2	165 / 75
EXL 750	1	31 Gal / 118 L	750 Gal / 2,840 L	4.2	175 / 79
EXL 950-1	1	40 Gal / 150 L	950 Gal / 3,600 L	4.2	180 / 82
EXL 950-2	2	40 Gal / 150 L	950 Gal / 3,600 L	4.2	185 / 84
EXL 1200	2	50 Gal / 189 L	1,200 Gal / 4,540 L	4.2	185 / 84
EXL 1500	2	63 Gal / 237 L	1,500 Gal / 5,680 L	4.2	185 / 84
EXL 1800	2	75 Gal / 284 L	1,800 Gal / 6,810 L	4.2	190 / 86

Model (phase)	Booster Pump HP   KW	HP Pump HP   KW	HZ	Voltage	Run Amps	Start Amps
Single	0.50   0.37	2.5   1.8	50/60	110/220	31.0 / 15.5	109 / 55
Three	0.50   0.37	3.0   2.2	50/60	208/230	10.6 / 8.9	37 / 36
Three	0.50   0.37	3.0   2.2	50/60	380/460	5.3 / 4.4	18 / 16

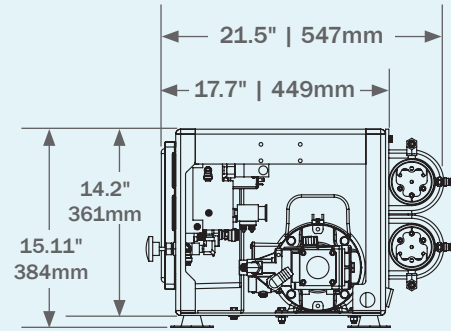
# EXPLORER DIMENSIONS

## COMPACT



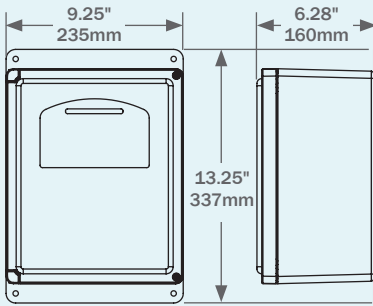
Top View

Vessel Assembly  
 a: 950 - 1 / 1800 - 2 GPD  
 b: 750 - 1 / 1200 - 2 / 1500 - 2 GPD  
 c: 475 - 1 / 950 - 2 GPD

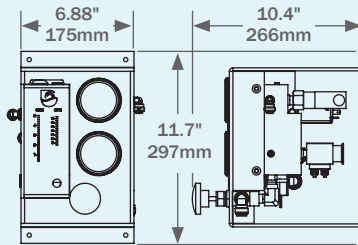


Right Side View

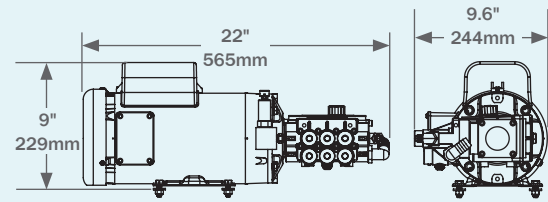
## MODULAR



Electric Box



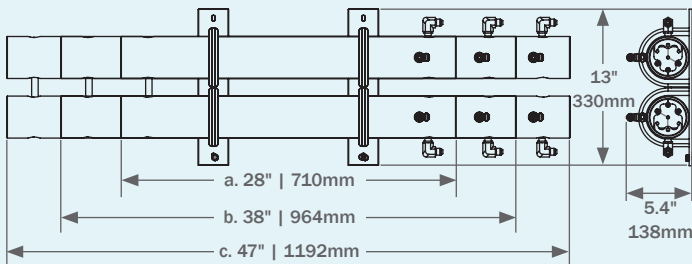
Controller



High Pressure Pump

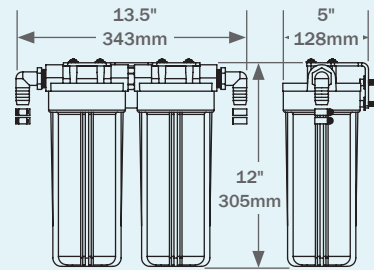
## COMPONENTS

### Compact & Modular

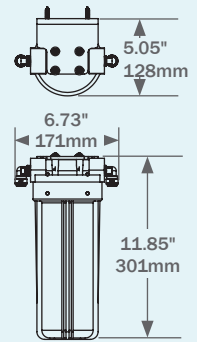


Vessel Assembly

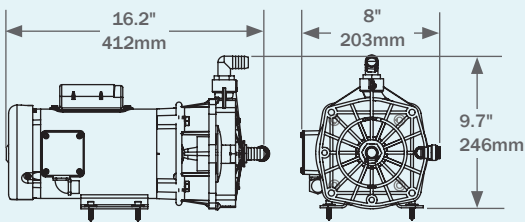
a: 950 - 1 / 1850 - 2 GPD | b: 750 - 1 / 1200 - 2 / 1500 - 2 GPD | c: 475 - 1 / 950 - 2 GPD



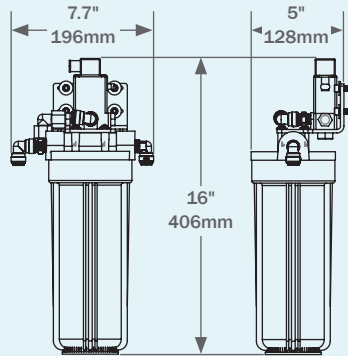
Dual Pre-Filter



Carbon Filter

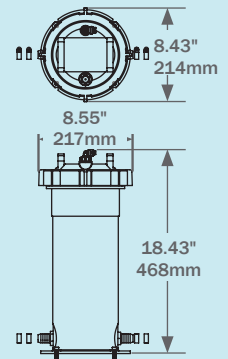


Booster Pump



Fresh Water Flush

Optional



Commercial Pre-Filter / OW Separator

# Legend

Fully Automatic  
High Production Capability

From 475 to 1,850 gallons per day  
(1,800 - 7,000 liters per day)



COMPACT



MODULAR

The Blue Water LEGEND series uses leading edge technology to provide fully automatic operation. The systems feature a 7" touch screen that provides an intuitive interface between the user and the system. Troubleshooting and maintenance are simplified by the wide array of data that is collected and accessible through the controller. The system comes complete with an automatic Fresh Water Flush system and product water pH Filter. The LEGEND series is the most sophisticated and easy to use watermaker on the market.

## Legend Systems Feature:

- Fresh Water Flush system
- High Rejection membranes
- Quiet and reliable high pressure pumps
- Product water Carbon filter
- Dual voltage 50/60 Hz motors
- Stainless steel booster pump shaft
- Designed for ease of service and maintenance
- Installation kit including bronze sea strainer
- No charge upgrade to Commercial Pre-filter

## Legend System Advantages:

- Fully Automatic
- Industry leading 7" full color icon driven touch screen controller
- Monel transducers for longer life
- Product water pH filter
- NMEA 2000 compatibility available
- Optional 4.3" or 7" Remote Touch Screen control
- Expandable to 1,850 gallons per day

## LEGEND SPECIFICATIONS

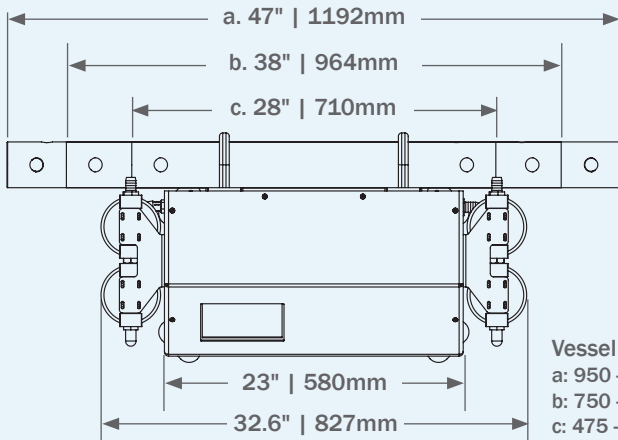
Model #	No. of Membranes	Production per hour	Production per 24 hour	Feed Flow GPM	Weight (lbs. / kg.)
LGD 475	1	20 Gal / 75 L	475 Gal / 1,800 L	4.2	165 / 75
LGD 750	1	31 Gal / 118 L	750 Gal / 2,840 L	4.2	175 / 79
LGD 950-1	1	40 Gal / 150 L	950 Gal / 3,600 L	4.2	180 / 82
LGD 950-2	2	40 Gal / 150 L	950 Gal / 3,600 L	4.2	185 / 84
LGD 1200	2	50 Gal / 189 L	1,200 Gal / 4,540 L	4.2	185 / 84
LGD 1500	2	63 Gal / 237 L	1,500 Gal / 5,680 L	4.2	185 / 84
LGD 1850	2	77 Gal / 292 L	1,850 Gal / 7,000 L	4.2	190 / 86

Model (phase)	Booster Pump HP   KW	HP Pump HP   KW	HZ	Voltage	Run Amps	Start Amps
Single	0.50   0.37	2.5   1.8	50/60	110/220	31.0 / 15.5	109 / 55
Three	0.50   0.37	3.0   2.2	50/60	208/230	10.6 / 8.9	37 / 36
Three	0.50   0.37	3.0   2.2	50/60	380/460	5.3 / 4.4	18 / 16

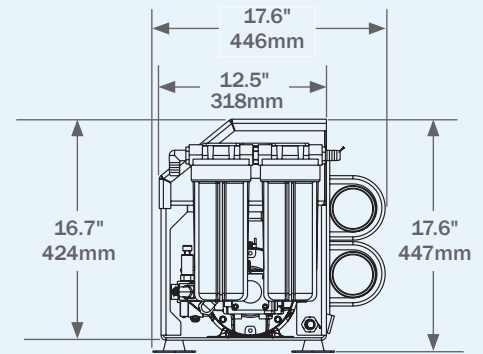
# LEGEND DIMENSIONS

## COMPACT



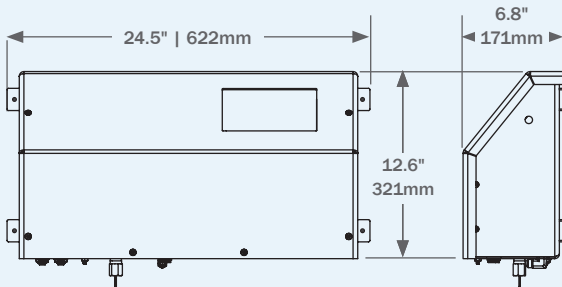
Top View

**Vessel Assembly**  
 a: 950 - 1 / 1850 - 2 GPD  
 b: 750 - 1 / 1200 - 2 / 1500 - 2 GPD  
 c: 475 - 1 / 950 - 2 GPD

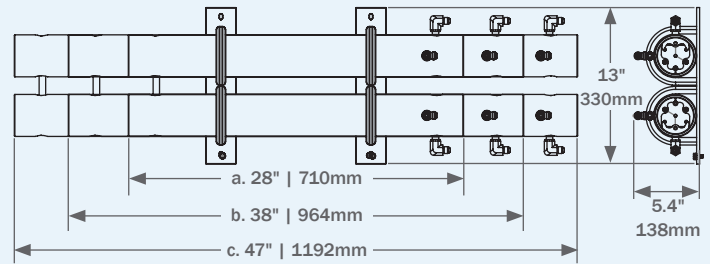


Right Side View

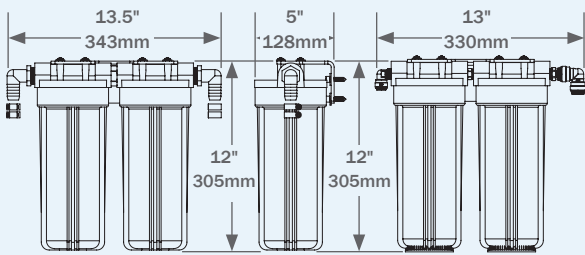
## MODULAR



Control Panel

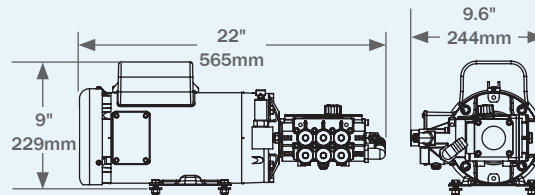


**Vessel Assembly**  
 a: 950 - 1 / 1850 - 2 GPD  
 b: 750 - 1 / 1200 - 2 / 1500 - 2 GPD  
 c: 475 - 1 / 950 - 2 GPD



Dual Pre-Filter

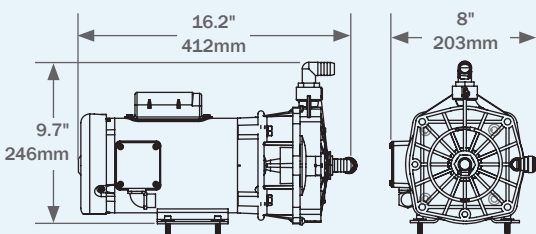
Dual Post-Filter



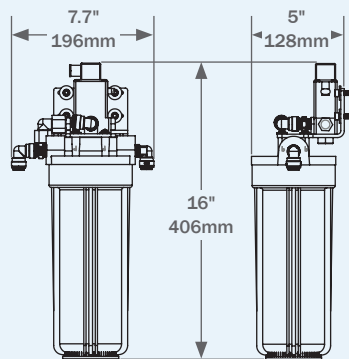
High Pressure Pump

## COMPONENTS

Compact & Modular

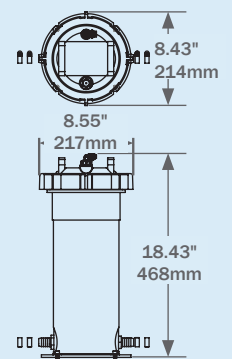


Booster Pump



Fresh Water Flush

Optional



Commercial Pre-Filter /  
 OW Separator



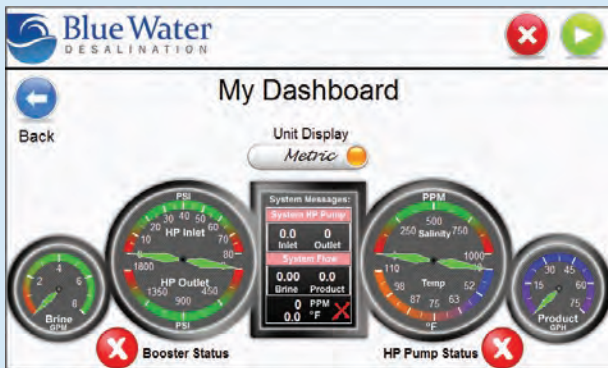
# LEGEND / LEGEND IX CONTROLLER FEATURES

The Blue Water Desalination Legend series is the easiest system to operate available on the market today. It features fully automatic operation through an industry leading 7" full color touch screen control. The system's proprietary software constantly monitors and adjusts the system to compensate for changes in water temperature and salinity to ensure maximum production and product water quality.



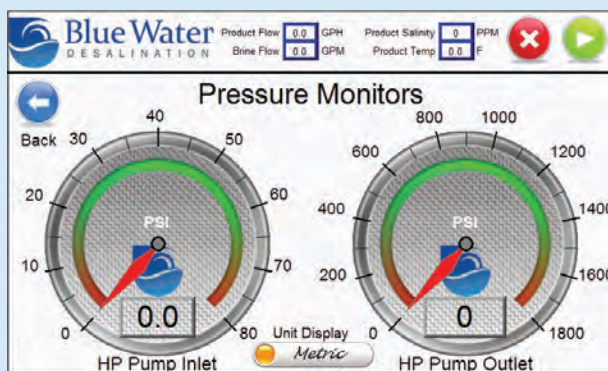
## System Operation Screen

The *System Operation* screen is where the system startup can be automatically initiated with a touch of the START button. All key pressures and flows are seen on the left side of the screen. On this and every screen the output can easily be switched between Imperial and Metric measurements



## My Dashboard Screen

The *My Dashboard* screen displays a graphical representation of the key operating parameters of the system. In one quick glance you can confirm that all pressures and flows are operating in the green range of acceptable performance. The screen also displays digital confirmation of key pressure, flow and water quality readings.



## Pressure Monitors Screen

The *Pressure Monitors* screen displays the High Pressure Pump inlet and outlet pressures. Similar screens are available to monitor system brine and product water flows as well as product water temperature and salinity. Additional key operating parameters are shown at the top of this and every screen.

The Legend digital controller also monitors and reports on system usage and potential problems. The *System Hours* screen displays run time and hours of operation until High Pressure Pump service is required. The *System Messages* screen gives the operator both Warnings and Faults. The Warnings give notice of potential problems while Faults give clear concise messages of the issue with the system and information to help troubleshooting.

A fully functional remote controller is available to enable you to operate and monitor your system from outside the machinery space. In addition, the optional NMEA 2000 interface enables you to operate and monitor the system through certain NMEA compatible displays.

# Legend LX

The first fully automatic water maker designed for Mega Yachts

From 2,100 to 3,400 gallons per day  
(7,950 - 12,870 liters per day)



The Blue Water LX series is the world's first fully automatic Mega Yacht/Commercial size watermaker. It features Blue Water's proven 7" full color touchscreen controller which provides an intuitive interface with the system. The Legend LX offers one touch operation and continuous monitoring to maximize product water production and quality.

## Legend LX Systems Feature:

- Fresh Water Flush system
- Quiet and reliable high pressure pump
- High Rejection membranes
- Product water Carbon filter
- Dual voltage 50/60 Hz motors
- Stainless steel booster pump shaft
- Designed for ease of service & maintenance
- Installation kit including bronze sea strainer
- No charge upgrade to Commercial Pre-filter

## Legend LX System Advantages:

- Fully Automatic
- Industry leading 7" full color icon driven touch screen controller
- Monel transducers for longer life
- Product water pH filter
- NMEA 2000 compatibility available
- Optional 4.3" or 7" Remote Touch Screen control
- Expandable to 3,400 gallons per day
- Available in both compact frame and modular component style configurations

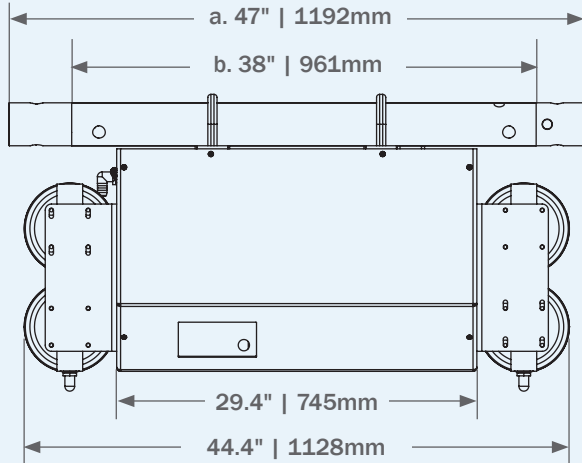
## LEGEND LX SPECIFICATIONS

Model #	No. of Membranes	Production per hour	Production per 24 hour	Feed Flow GPM	Weight (lbs. / kg.)
LLX 2100	3	85 Gal / 331 L	2,100 Gal / 7,950 L	7.6	265 / 120
LLX 2600	4	108 Gal / 410 L	2,600 Gal / 9,840 L	7.6	275 / 125
LLX 2700	3	113 Gal / 426 L	2,700 Gal / 10,220 L	7.6	270 / 122
LLX 3200	4	133 Gal / 505 L	3,200 Gal / 12,110 L	7.6	280 / 127
LLX 3400	4	142 Gal / 536 L	3,400 Gal / 12,870 L	7.6	280 / 127

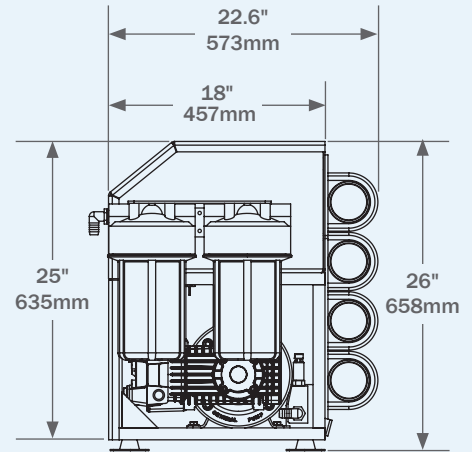
Model (phase)	Booster Pump HP   KW	HP Pump HP   KW	HZ	Voltage	Run Amps	Start Amps
Single	1   0.75	5   3.75	50/60	220	34	98
Three	1   0.75	5   3.75	50/60	208/230	22 / 18	48 / 40
Three	1   0.75	5   3.75	50/60	380/460	11 / 9	24 / 20

# LEGEND LX DIMENSIONS

## COMPACT



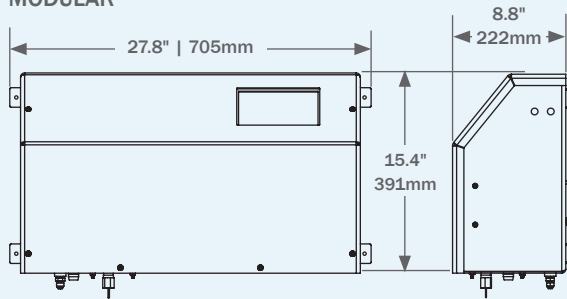
Top View



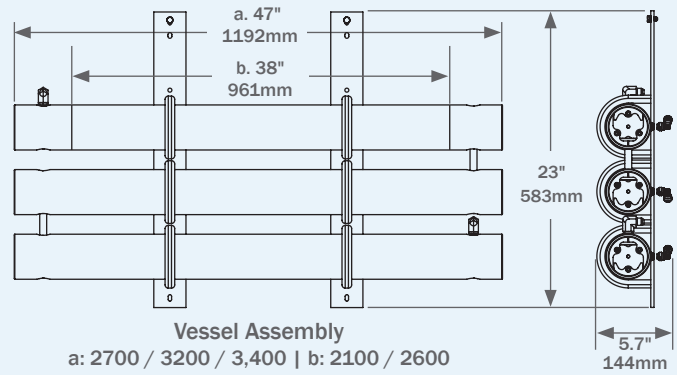
Right Side View

Vessel Assembly  
a: 2700 / 3200 / 3,400  
b: 2100 / 2600

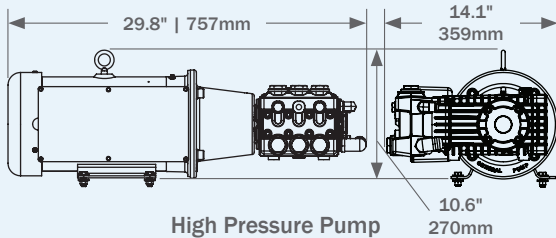
## MODULAR



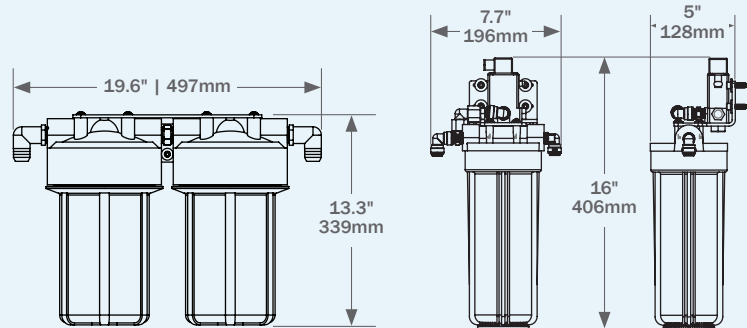
Control Panel



Vessel Assembly  
a: 2700 / 3200 / 3,400 | b: 2100 / 2600

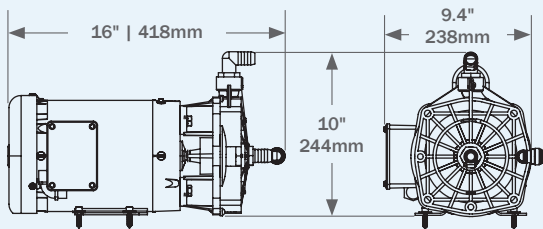


High Pressure Pump

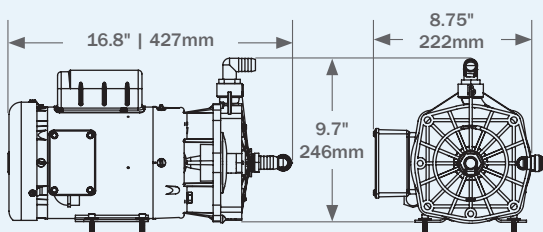


Dual Pre/Post Filter

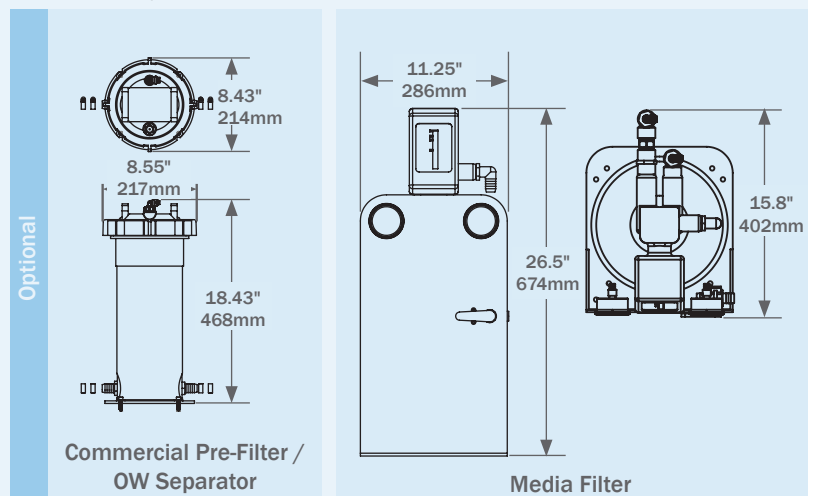
Fresh Water Flush



Booster Pump - Three Phase



Booster Pump - Single Phase



Optional

Commercial Pre-Filter /  
OW Separator

Media Filter



## Genuine Blue Water Parts and Accessories



Your Blue Water Desalination dealer carries a full line of filter elements, cleaning chemicals, pump oil, and replacement parts to keep your system operating at peak efficiency.

### Specification/Operating Parameters for all systems.

<b>Salinity Monitoring</b>	Automatic electronic monitoring with continuous digital or LED readout. The salinity monitoring components of the system give a continuous TDS readout in ppm (parts per million), are temperature compensated, and of a fail safe design.
<b>Salinity Range</b>	Designed for seawater use up to 50,000 PPM TDS (NaCl) (typical seawater salinity is 35,000 ppm)
<b>Temperature Range</b>	Max. 122°F / 50°C, Min. 33°F / .5°C
<b>System Feed Water</b>	Flow: ranging from 1 gpm - 4.2 gpm / 3.7 - 16 lpm (depending on system)
<b>Reverse Osmosis Membrane</b>	Selected High Rejection/High Yield, thin film composite, spiral wound, single pass, reverse osmosis membrane element.
<b>Chlorine Tolerance</b>	0.1 PPM
<b>pH Range</b>	3-11 (typical seawater pH is 8)
<b>System Pressure</b>	Feed Water: Maximum 40 psi / 2.41 bar / 2.46 Kg/cm <sup>2</sup>
<b>System Operation</b>	Seawater nominal 820 psi / 56.5 bar / 57.66 Kg/cm <sup>2</sup>



[www.bluewaterdesalination.com](http://www.bluewaterdesalination.com)



### About Blue Water Desalination

Our goal at Blue Water Desalination is to design and manufacture the best watermaker on the market. We have reconsidered every detail to maximize performance, increase reliability and improve the ease of operation.

We provide direct and personalized support to our customers and have extensive experience and knowledge in seawater desalination systems for the marine industry.

Contact us or visit our website for more information about Blue Water Desalination.

### Blue Water Desalination

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Authorized dealer near you:

