

Freedom at your fingertips.



Photograph courtesy of Riviera



Marine Watermakers



ENGINEERING YOUR SUCCESS.

Two world-class brands, One solid watermaker line.

HRO Systems and Village Marine are now one company backed by Parker, a global leader in innovation and engineering. Our customers now have better choices for water systems from two renowned manufacturers that have been leading the industry for over 40 years. With HRO Systems and Village Marine, you get the most reliable and intuitive systems in the world that have been developed to withstand the most challenging environments and accommodate complex spaces. Best of all, with support from our global network of dealers and service technicians, your supply of fresh water will never run out.

___ Certifications and Associations ___



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Photograph courtesy of Riviera

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Products Selection

Horizon Reverse Osmosis Line | The high performance systems that give you the most.

After 40 years of successfully delivering reliable and intuitive watermakers, We have perfected the Seafari series of watermakers to accommodate the most important needs of power and sail boaters. Whether you need larger water production, a flexible footprint, or low power consumption, there is a Seafari system that will deliver exactly what you need.

www.hrosystems.com

High-Capacity Systems

Application	Seafari Versatile	Vessel Size	Production	AC/DC	Operation
Sport fishing Power boats Charter boats		50 - 100 ft	450 - 1800 Gal/day	AC	Semi-Automatic

Mid-Range Systems

Application	Seafari Mini	Vessel Size	Production	AC/DC	Operation
Day cruisers Sailing yachts Trawlers		40 - 60 ft	170 - 750 Gal/day	DC (170 only) AC	Semi-Automatic

Low-Consumption Systems

Application	Seafari Quest	Vessel Size	Production	AC/DC	Operation
Sail boats Power boats		40 - 50 ft	200-600 Gal/day	DC	Automatic



Village Marine Line | The rugged systems that never stop

The Village Marine series of watermakers has provided fail-safe workhorses that deliver a sturdy performance in a variety of marine applications. Village Marine line has been renowned within high profile government disaster relief and military ships projects. Excellence in performance and quality is what you get when you choose a Village Marine watermaker.

www.villagemarine.com

High-Capacity Systems

Application	LTM	Vessel Size	Production	AC/DC	Operation
Commercial Fishing		50 - 100 ft	500 - 1800 Gal/day	AC	Manual

Mid-Range Systems

Application	Stowaway	Vessel Size	Production	AC/DC	Operation
Work boats Trawlers		40 - 60 ft	400 - 800 Gal/day	AC	Semi-Automatic

Low-Consumption Systems

Application	Little Wonder	Vessel Size	Production	AC/DC	Operation
Small Sail boats		30 - 40 ft	145 - 200 Gal/day	DC	Manual

Heavy-Duty Systems

Application	Pure Water (PW)	Vessel Size	Production	AC/DC	Operation
Work boats Patrol boats Mega yachts		50 - 100 ft	400 - 2,000 Gal/day	AC	Semi-Automatic
Mega yachts Commercial fishing	LT System 	80 - 150 ft	3,000 - 7,000 Gal/day	AC	Manual

Seafari Versatile



Along the coast or around the world, the Seafari Versatile is perfect for weekend fishing or blue water cruising. It's user-friendly operable system and rugged build withstands the ocean's harshest conditions, while maintaining its high level of quality.

Max Production:
1,800 Gal (6,815 Lit) / day*

Benefits

- Modular configuration allows you to control system remotely.
- Small footprint for limited engine room spaces.
- Easy access to main system parts for easy maintenance.
- Easy semi-auto operation.



Photograph courtesy of Sunseeker Yachts

*Highest capacity model (1800-2)



Versatile - compact



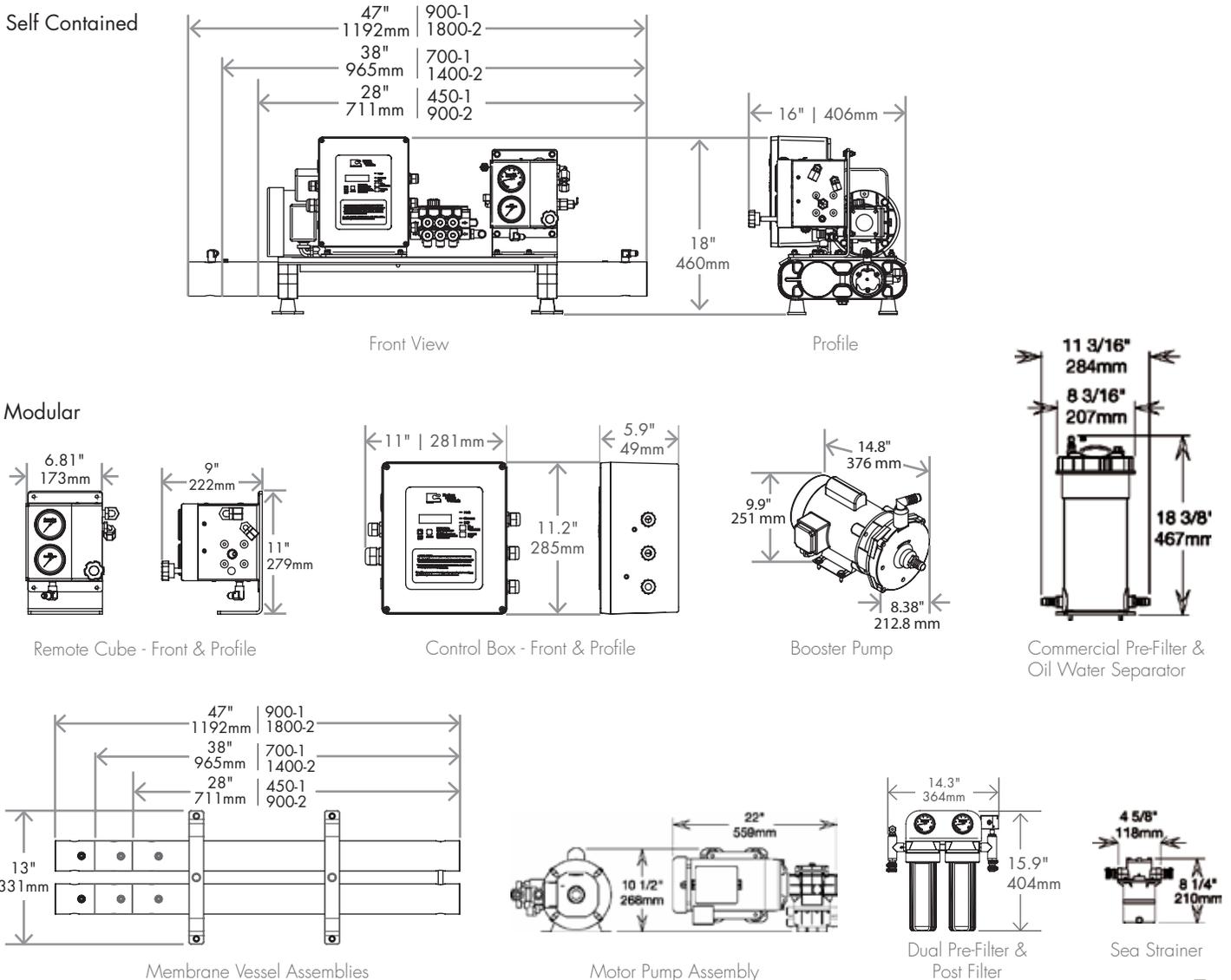
Versatile - modular

Seafari Versatile - Specifications | Dimensions

Model Number	Per 24 Hours - Gal / Lit	Per Hour - Gal/ Lit	Weight
450-1	450 / 1,705	18 / 70	118 lbs / 54 kg
700-1	700 / 2,650	26 / 110	125 lbs / 57 kg
900-1	900 / 3,405	38 / 140	136 lbs / 62 kg
900-2	900 / 3,405	38 / 140	136 lbs / 62 kg
1400-2	1,400 / 5,300	58 / 220	147 lbs / 67 kg
1800-2	1,800 / 6,815	75 / 285	150 lbs / 68 kg

High Pressure Pump Motor and Booster Pump combined Amp Draw:

Phase	Hz	Voltage	HP	Running Amps	Start Up Amps
1	50/60	115	2.5	30	103
1	50/60	220	2.5	15	52
3	50/60	220	3	12	30
3	50/60	440	3	6	15



Seafari Mini

The Seafari Mini is the perfect solution for boats with little space to spare. With the largest production capacity for it's size, you can be sure to have plenty of fresh water, without wasting precious storage or engine room space.

Max Production:
750 Gal (2,839 Lit) / day*

Benefits

- Fits into small and complex spaces.
- DC option for the Mini 170 model.
- Lightweight - models range from 70 to 130 lbs.



Photograph courtesy of Riviera Yachts

*Highest capacity model (Mini 750)



Mini - compact



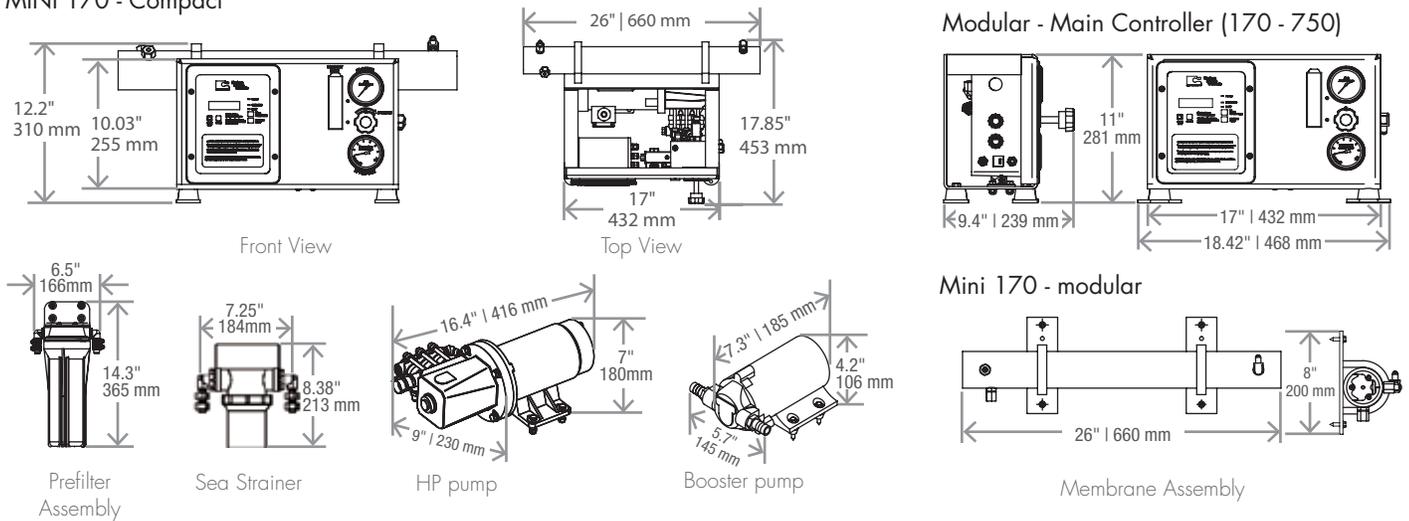
Mini - modular

Seafari Mini - Specifications | Dimensions

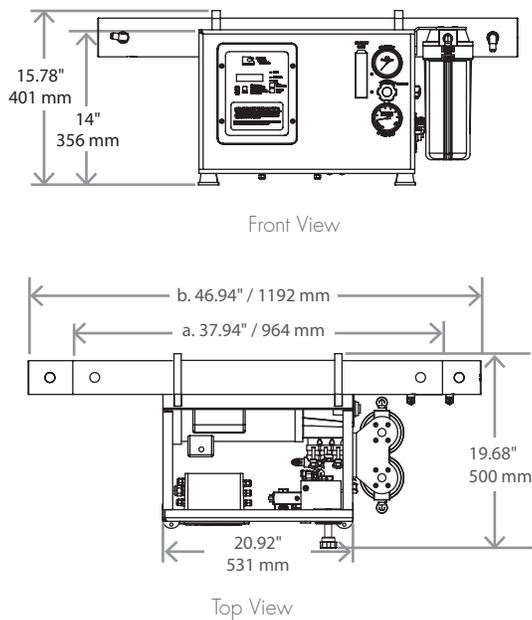
Model Number	Per 24 Hours - Gal / Lit	Per Hour - Gal/ Lit	Weight
Mini 170	170 / 645	7/ 26	70 lbs / 32 kg
Mini 350	350 / 1,325	15 / 55	89 lbs / 40.4 kg
Mini 550	550 / 2,080	23 / 87	125 lbs / 57 kg
Mini 750	750 / 2,839	31 / 118	130 lbs / 59 kg

Electrical	Phase	Pump Motor	Voltage	Hz	H.P.	Running Amps	Start Up Amps
Mini 170	N/A	HP	12 / 24	N/A	0.33	27/13.4	90/45
Mini 170	Single	HP	110 / 230	50 // 60	0.33	6.6/3.3//5.2/2.6	26/13
Mini 350	Single	HP	110 / 230	60	1	12.8/6.4	39/20
Mini 350	Single	HP	110 / 230	50	1	12.4/6.2	37/19
Mini 550 / 750	Single	HP	110/220//115/230	50/60	1.75//2.1	18.9/9.4//18.2/9.1	57/28
Mini 550 / 750	Single	Booster	110 / 220	50/60	0.5	9.4/4.7-7.4/3.7	28/14

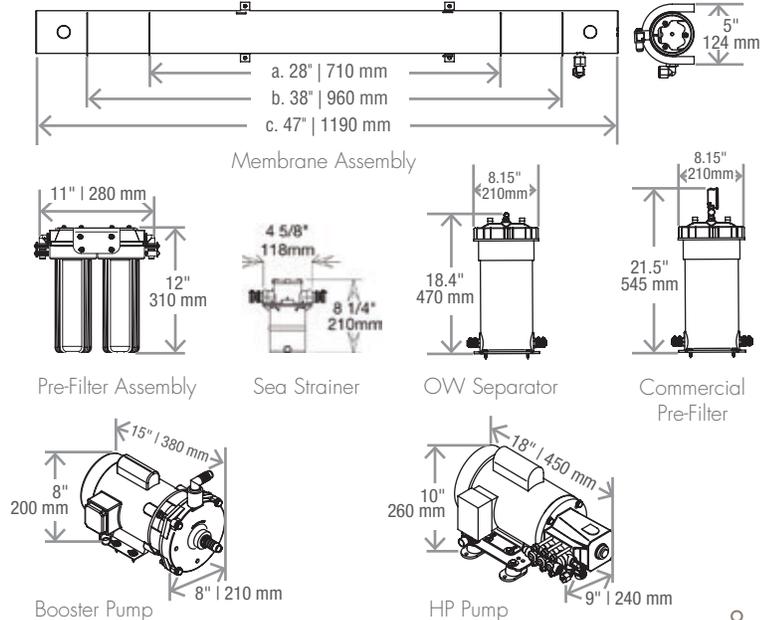
MINI 170 - Compact



MINI 350 | 550 | 750 - Compact



MINI 350 | 550 | 750 - Modular



Seafari Quest



The Seafari Quest is the choice for small sail or power boats with limited power options. It's fully automatic operation and intuitive control system provides optimal fresh water flush features, ideal safety alarms, and easy maintenance access.

Max Production:
25 Gal (95 Lit) / hour*

Benefits

- Modular design allows you to control system remotely.
- Energy recovery boost - recovers up to 13% on all models.
- Easy access to all maintenance parts.
- Easy, automatic operation.



Photograph courtesy of Fountaine Pajot

*Highest capacity model (Quest 600)



Quest - compact



Quest - modular

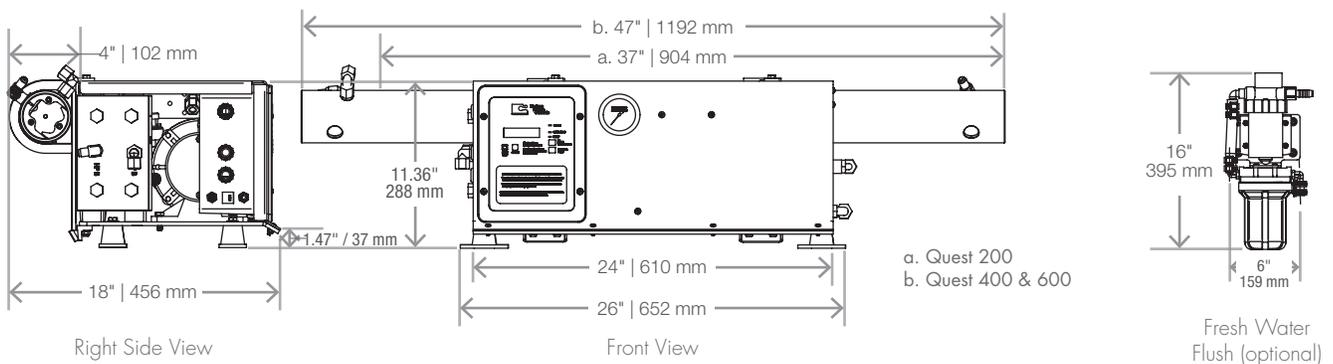
Seafari Quest - Specifications | Dimensions

Model	Per Hour	Weight - Compact	SUC 12V	SUC 24V	Motor HP 12/24V
Quest 200	8 Gal / 32 Lit	115 lbs / 52 kg	54	27	0.3
Quest 400	17 Gal / 63 Lit	120 lbs / 54 kg	60	42	0.3
Quest 600	25 Gal / 95 Lit	125 lbs / 57 kg	99	55	0.5

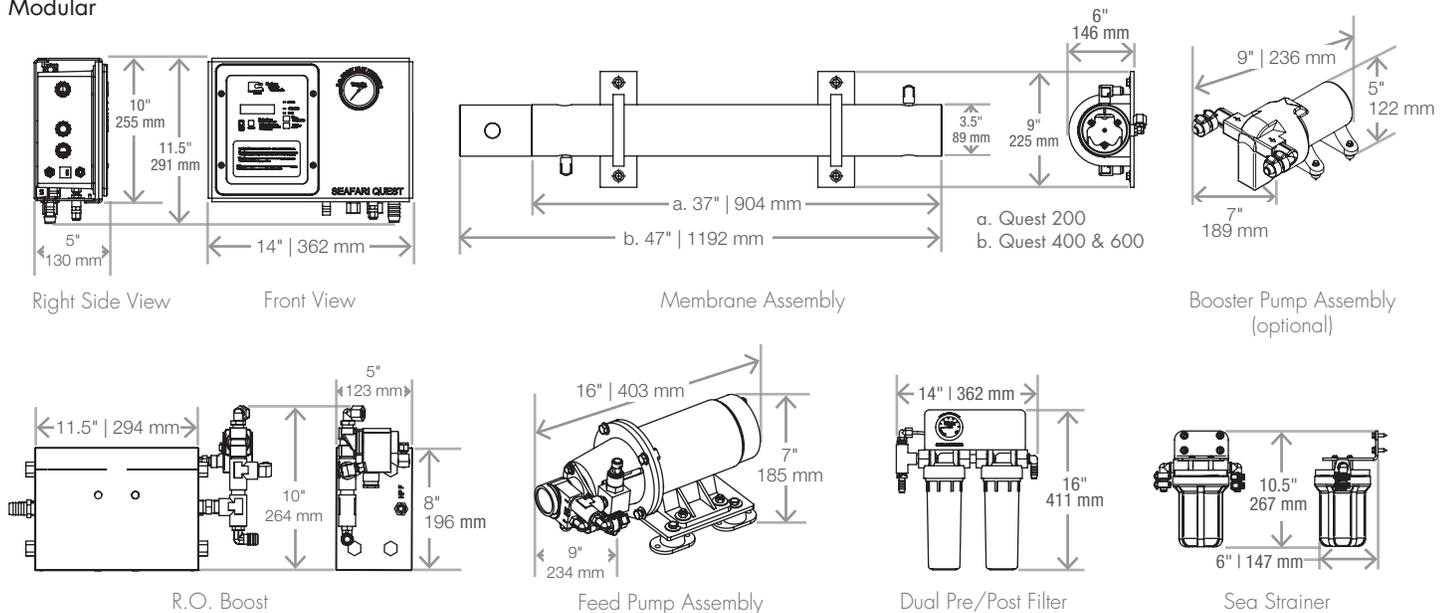
Vane Pump - Electrical

Model	Feed Flow - GPM	Product - GPD	Normal Amp - Draw 12V	Normal Amp - Draw 24V
Quest 200	1.7	200	21	10.5
Quest 400	2.3	400	26	13
Quest 600	3.2	600	38	20

Compact



Modular



The Little Wonder

The Little Wonder (LWM) is the compact and reliable solution for boaters with limited power and space options. Its simple installation and easy operation provides all the water you need in any part of the open sea.

Max Production:
8 Gal (30 Lit) / hour*

Benefits

- DC low power consumption.
- Simple configuration and installation.
- Small & lightweight - weighs only 69 pounds.
- No-fail service



Photograph courtesy of Hunter Marine

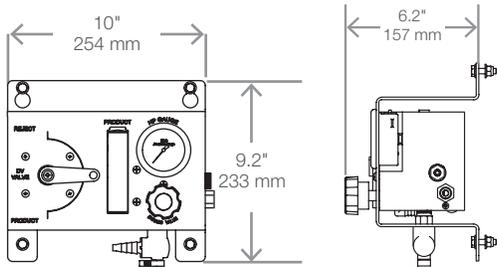
*Highest capacity model (LWM-200)



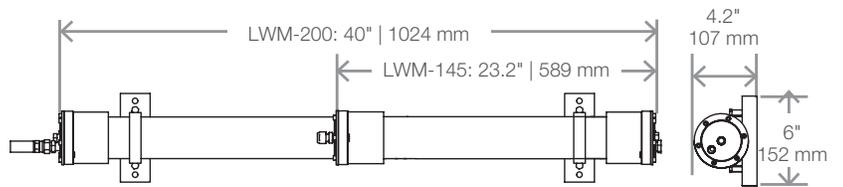
Little Wonder (LWM) system

Little Wonder - Specifications | Dimensions

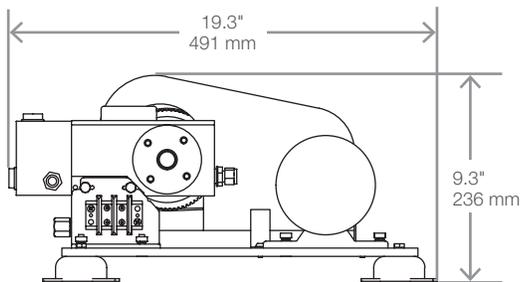
Model Number	Power Supply Volts/Phase/Hertz/Amps	Per Hour	Weight
LWM-145	12VDC / 13 24 VDC / 6.5	6 gal / 22 Lit	62 lbs / 28 kg
LWM-200	12VDC / 17 110VAC 60Hz / 6 220 VAC 50Hz / 3.3 24 VAC / 6.5	8 gal / 30 Lit	69 lbs / 31 kg



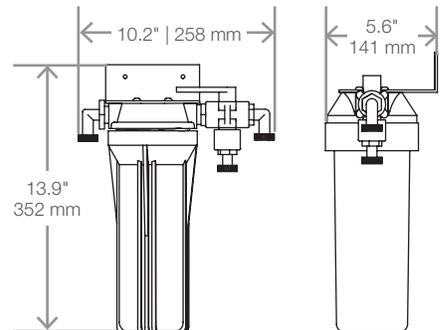
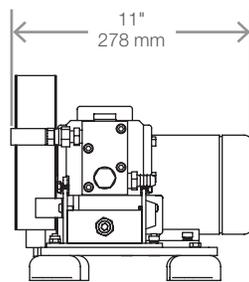
System Manifold



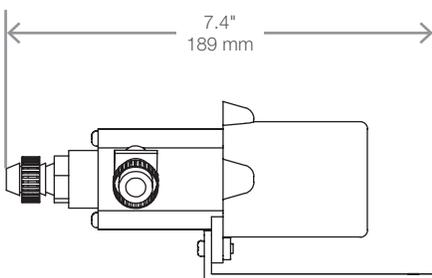
Membrane Assembly



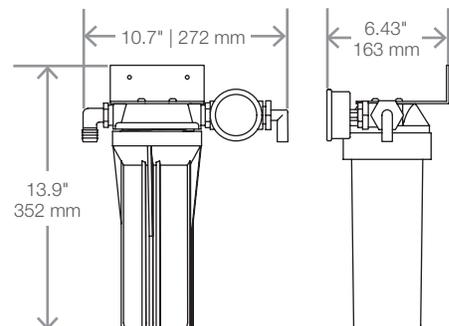
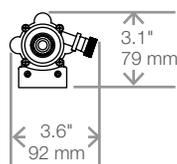
High Pressure Pump



Fresh Water Flush



Booster Pump



Pre-Filter

LTM Series

The LTM delivers a practical and reliable source of fresh water to boaters with high supply demands. The LTM gives you absolute water independence for various leisures such as extended voyages, ocean crossings, or fishing.

Max Production:
75 Gal (284 Lit) / hour*

Benefits

- Top mount membrane option for 400 & 600 models
- Semi-modular frame allows flexible installation options.
- Ideal for extended cruises or voyages.



*Highest capacity model (LTM-1800)

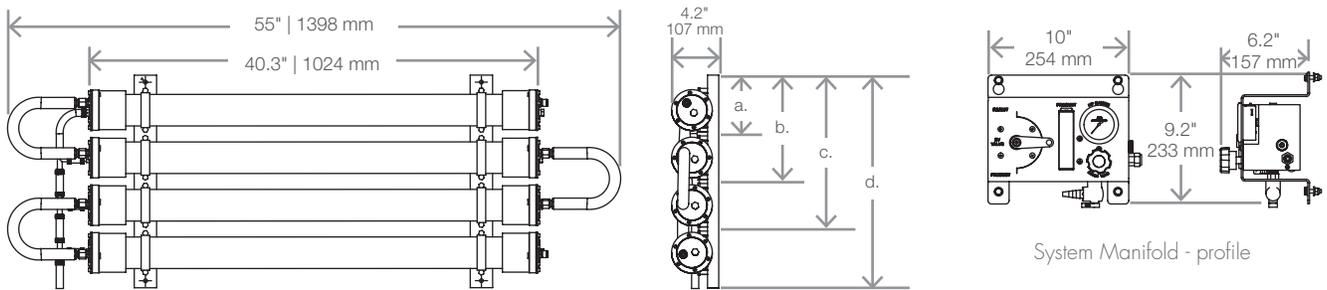


LTM system

LTM - Specifications | Dimensions

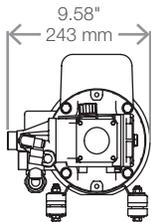
Model Number	Power Supply Volts/Phase/Hz/Amps	Per Hour	Weight
LTM-500	110 / 1 / 60 / 18 220 / 1 / 60 / 8 230 / 1 / 50 / 8 230-460/3/50-60/6-4	21 gal / 79 Lit	92 lbs / 42 kg
LTM-800	110 / 1 / 60 / 18 220 / 1 / 60 / 9 230 / 1 / 50 / 8 230-460/3/50-60/6-4	33 gal / 125 Lit	100 lbs / 45 kg
LTM-1000	220 / 1 / 60 / 12* 230 / 1 / 50 / 12.5 230-460/3/50-60/6-5	42 gal / 158 Lit	133 lbs / 60 kg
LTM-1300	220 / 1 / 60 / 12* 230 / 1 / 50 / 12.5 230-460/3/50-60/6-5	54 gal / 205 Lit	153 lbs / 70 kg
LTM-1800	220 / 1 / 60 / 12* 380/3/50/7.5 460/3/60/7	75 gal / 284 Lit	168 lbs / 76 kg

* For 110/50-60/1 Please Inquire With Factory

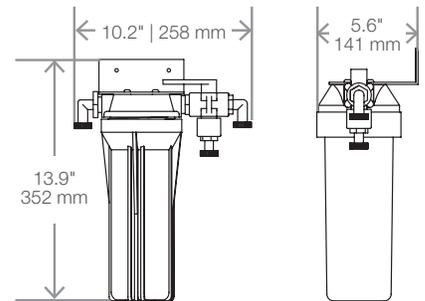
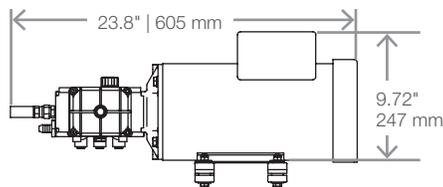


Membrane Assembly

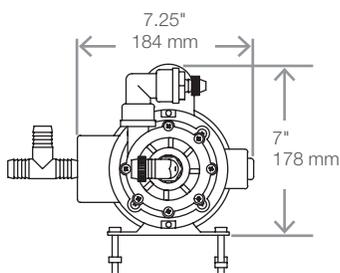
a. LTM-500: 6" | 152mm, b. LTM-800/LTM-1000: 9.75" | 248mm, c. LTM-1300: 15.25" | 387mm, d. LTM-1800: 19" | 483mm



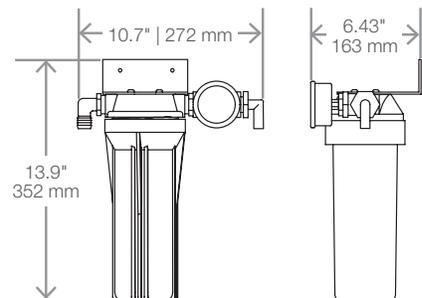
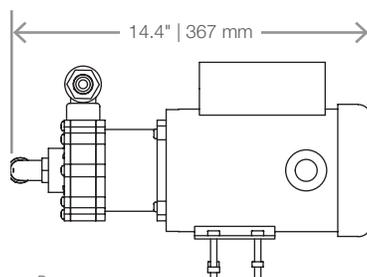
High Pressure Pump



Fresh Water Flush



Booster Pump



Pre-Filter

The Stowaway

Village
Marine

The Stowaway (STW) offers you the option of having a single framed unit to place anywhere within your engine room. Simple to use and easy to install, this workhorse delivers a reliable source of fresh water during your cruises.

Max Production:
33 Gal (126 Lit) / hour*

Benefits

- Standard remote control touchscreen panel included.
- Semi-modular configuration allows flexible installation solutions.
- Emits low levels of noise and vibration during run time.



Photograph courtesy of Nordhavn Yachts

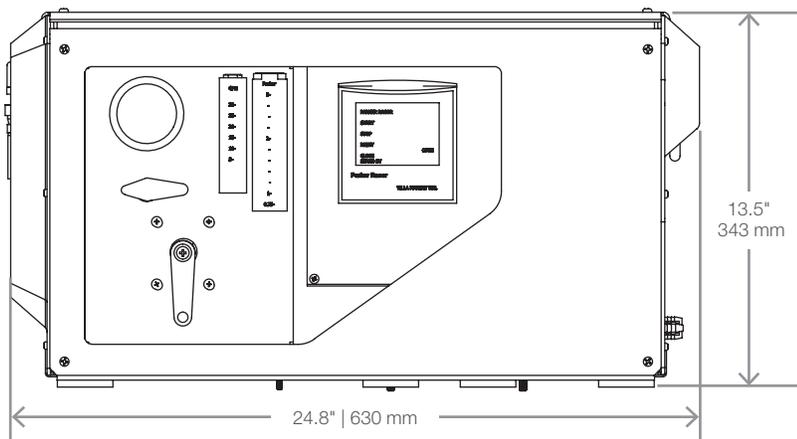
*Highest capacity model (STW-800)



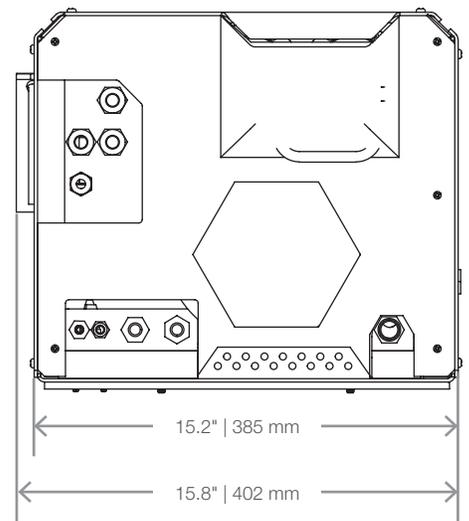
Stowaway system

Stowaway - Specifications | Dimensions

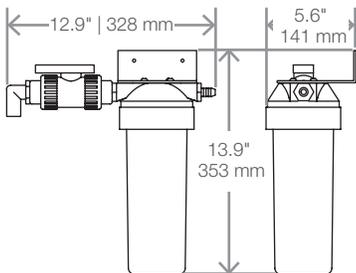
Model Number	Power Volts/Phase/Hertz/Amps	Per Hour	Weight
STW-400	110 / 60 / 13 220 / 60 / 8 230 / 50 / 8	16 gal / 63 Lit	110 lbs / 50 kg
STW-600	110 / 60 / 13 220 / 60 / 8 230 / 50 / 8	25 gal / 95 Lit	116 lbs / 53 kg
STW-800	110 / 60 / 13 220 / 60 / 8 230 / 50 / 8	33 gal / 126 Lit	135 lbs / 61 kg



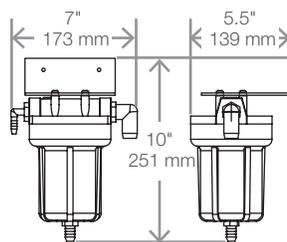
Front View



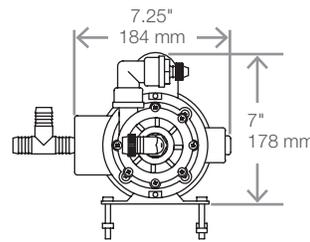
Right Side View



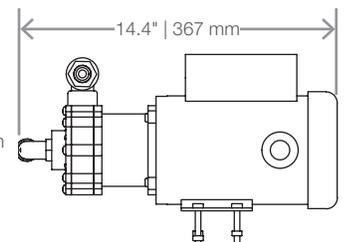
Pre-Filter Assembly



Air Oil Separator



Booster Pump



PW - Pure Water Series

The Pure Water (PW) operates continuously and withstands the most rugged conditions. The Pure Water is not only capable of delivering industrial amounts of fresh water, but it also delivers superior performance and an extended service life.

Max Production:
2,000 Gal (7.6 m³) / day*

Benefits

- Operates continuously, capable of 24/7 production.
- Large production capacity with small footprint
- Framed, semi modular, and modular configuration options provides flexible installation solutions.



Photograph courtesy of Nordhavn Yachts

*Highest capacity model (PW-2000)

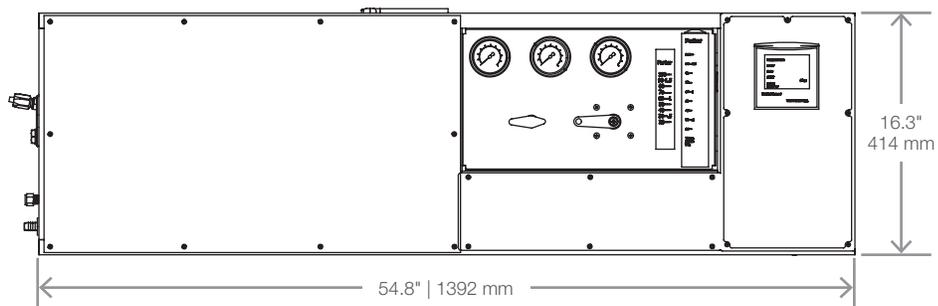


Pure Water (PW) system

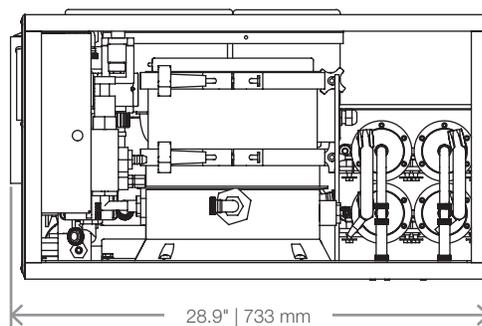
Pure Water - Specifications | Dimensions

Model	Power Volts/Phase/Hertz/Amps	Capacity GPH-m ³ / D	Weight lbs.
PW-400	110 / 1 / 60 / 13 220 / 1 / 60 / 8 220 / 3 / 60 / 6 230 / 1 / 50 / 8 380 / 3 / 50 / 3 440 / 3 / 60 / 3	1.7 - 1.5	225 lbs / 102 kg
PW-600	110 / 1 / 60 / 21 220 / 1 / 60 / 11 220 / 3 / 60 / 7 230 / 1 / 50 / 11 380 / 3 / 50 / 4 440 / 3 / 60 / 4	25 - 2.3	350 lbs / 159 kg
PW-800	220 / 1 / 60 / 17 220 / 3 / 60 / 11 230 / 1 / 50 / 15 380 / 3 / 50 / 6 440 / 3 / 60 / 6	34 - 3.0	350 lbs / 159 kg
PW-1200	220 / 1 / 60 / 17 220 / 3 / 60 / 11 230 / 1 / 50 / 15 380 / 3 / 50 / 6 440 / 3 / 60 / 6	50 - 4.5	400 lbs / 182 kg
PW-1600	220 / 1 / 60 / 19 220 / 3 / 60 / 16 230 / 1 / 50 / 25 380 / 3 / 50 / 8 440 / 3 / 60 / 8	67 - 6.0	425 lbs / 193 kg
PW-2000	220 / 1 / 60 / 19 220 / 3 / 60 / 16 230 / 1 / 50 / 25 380 / 3 / 50 / 8 440 / 3 / 60 / 8	84 - 7.6	450 lbs / 205 kg

Front View



Profile View



LT - Mega Yacht Series

The LT Mega Yacht Series delivers a high capacity production and is designed with a compact, minimal footprint. Made for continuous production, the LT series is the reliable source of fresh water for large vessels in any part of the sea.

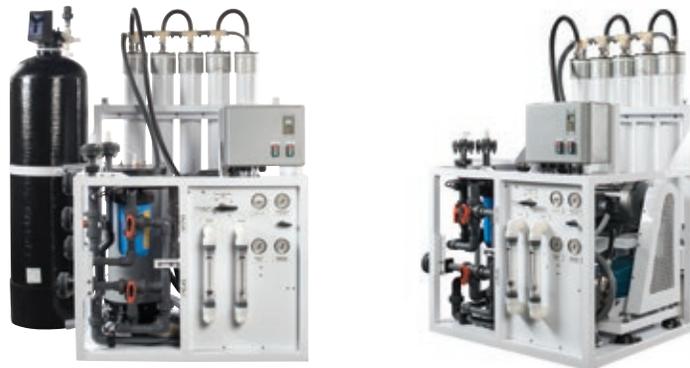
Max Production:
7000 Gal (27 m³) / day*

Benefits

- Horizontal and modular membrane racking options deliver installation flexibility.
- Saves space with a minimal footprint that is only 40" deep.
- Easy access to maintenance parts.



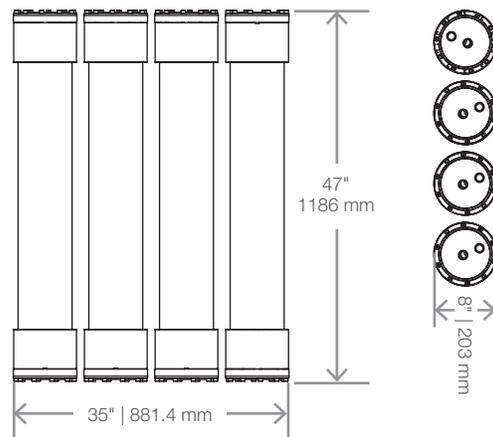
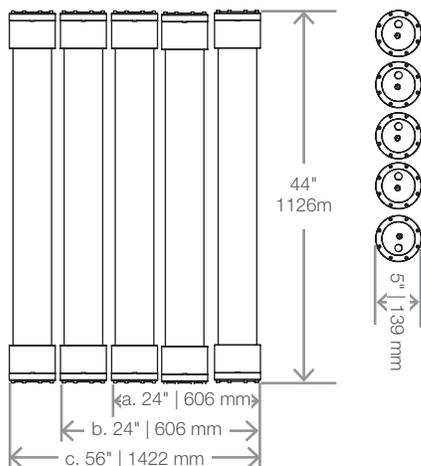
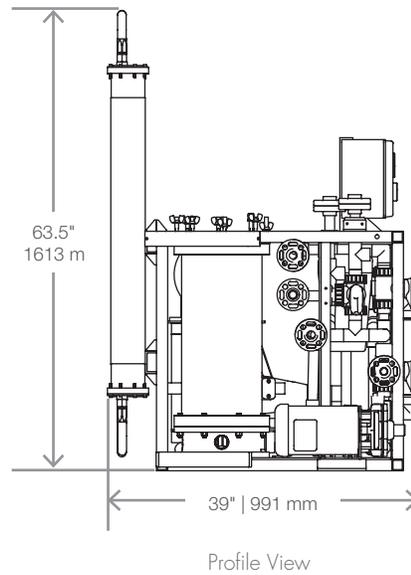
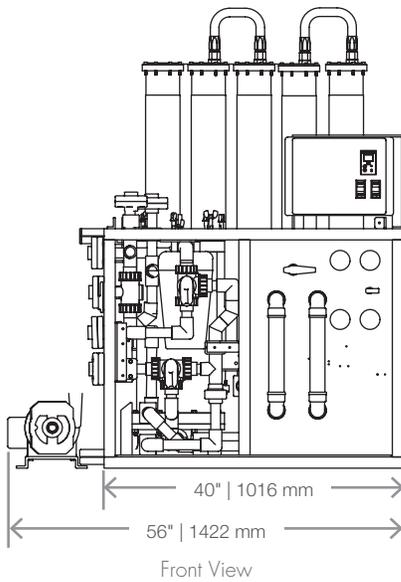
*Highest capacity model (LT-7000)



LT system

LT - Specifications | Dimensions

Model	Power Volts/Phase/Hertz/Amps	Capacity GPH-m ³ / D	Dimensions (inch/cm)	Weight lbs. kg
LT-3000	220/1/60/53 440/3/60/17 380/3/50/17	125/11	width 40/102 depth 39/99 height 62/157	1060 lbs / 480 kg
LT-4000	220/1/60/53 440/3/60/17 380/3/50/17	167/15	width 40/102 depth 39/99 height 62/157	1080/490 kg
LT-5000	440/3/60/22 380/3/50/24	208/20	width 40/102 depth 39/99 height 62/157	1140/520 kg
LT-7000	440/3/60/22 380/3/50/24	292/27	width 40/102 depth 43/109 height 62/157	1290/585 kg



Optional Accessories

Outfitting your system with the necessary options and accessories will add more life to your watermaker, and eliminate maintenance costs.



Optional Accessories for HRO Systems include:

- | | |
|-------------------------|------------------------|
| 1. Oil/Water Separator | 7. Plankton Filter |
| 2. Commercial Prefilter | 8. Charcoal Filter |
| 3. Media Filter | 9. pH Neutralizer |
| 4. Soft Start Motor | 10. Remote controller |
| 5. Fresh Water Flush | 11. Meter DS Pocket |
| 6. UV sterilizer | 12. Mesh Sea Strainers |

Planned Maintenance Kits include:

- Prefilter elements
- Screens
- Cleaning compound kits
- Storage compound kits
- Pump crankcase oil
- Replacement seals



For complete HRO Systems accessory information visit our website: www.hrosystems.com

Optional Accessories for Village Marine include:

- Fresh Water Flush
- Watermaker remote
- Remote control panel
- Salinity monitor
- Remote instrument panel

Planned Maintenance Kits

- Prefilter Elements
- Screens
- Cleaning compound kits
- Storage compound kits
- Pump crankcase oil
- Replacement seals

Titan Series Pressure Pumps

- 708-3
- 708-5



For complete Village Marine accessory information visit our website: www.villagemarine.com

FIND A DEALER/SERVICE CENTER NEAR YOU

Find out more about HRO Systems and Village Marine products, accessories, and more. Our worldwide network of dealers and service technicians are ready to help find a dealer near you at, www.parker.com/watermakers



Authorized dealer near you:



www.hrosystems.com | www.villagemarine.com



Your freedom is at your fingertips.

Boaters all over the world have found true freedom with Parker Marine's line of watermakers. Proper care and maintenance is key to keeping your watermaker safe, dependable and always ready to produce fresh water. That's why Parker offers warranties and special maintenance packages that can extend the life of your watermaker. For all the details, please call, visit us online or stop by your HRO Systems/Village Marine dealer nearest you today.

Parker Hannifin cannot accept responsibility for possible errors in catalogs, brochures and other printed material. Parker Hannifin reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sequential changes being necessary in specifications already agreed.



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