

WATERMAKERS



Compliments of Sunseeker



Compliments of Riviera Yachts



Compliments of Hunter Marine



The Seafari Series

All the comforts of home on your boat

For over 30 years, Horizon Reverse Osmosis has built a reputation of manufacturing the most reliable and intuitive systems in the world. Our systems are not only engineered to create fresh water, but are also engineered to be more convenient, to last longer, and to give you more peace of mind. You can trust the manufacturer with the most experience and certifications in the industry. With support from Horizon Reverse Osmosis and our global network of dealers, your supply of fresh water will never run out.





Compliments of Riviera Yachts

Contents

System Features	4 - 9
Seafari Versatile	4 - 5
Seafari Mini	6 - 7
Seafari Quest	8 - 9
Accessories	10 - 11
General Specifications	12
Dimensions Specifications	13 - 15
Versatile	13
Mini	14
Quest	15

The Seafari Versatile

Along the coast or around the world...

With systems capable of producing up to 1800 gallons per day, you'll find that the Seafari is perfect for weekend fishing, or blue water cruising. Engineered to be hassle-free, the Seafari Versatile is Horizon Reverse Osmosis's most user-friendly operable system. The Seafari Versatile is also capable of withstanding the ocean's harshest conditions, while maintaining its high level of quality. Simple and reliable, the Seafari Versatile is the watermaker for every boater.



Any boat. Any Destination.



Production: Up to 1,800 Gal per day

Boat Sizes: 50 ft - 100 ft

Configurations: Modular (top)
Self Contained (bottom)

Key Features: Remote (Modular)
Versatile Installation

The Seafari Mini

Don't let its small size fool you.

Ranging from 170 to 750 gallons of water per day, the Seafari Mini is the perfect solution for boats with little space to spare. Offering the largest production capacity for its size, you can be sure to have plenty of fresh water, without wasting precious storage or engine room space.



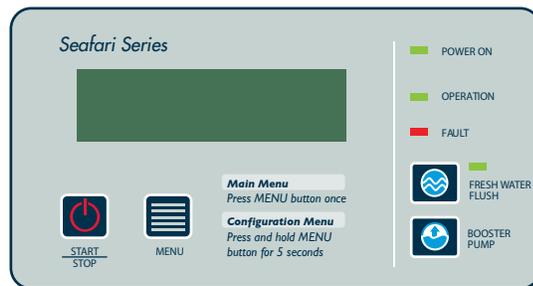
How to store 350 gallons in 2.5 square feet of space.

- Productions:** 170, 350, 550, and 750 gallons per day
- Boat Sizes:** 40 ft - 60 ft
- Configurations:** Compact | Modular
- Key Features:** Smallest line of watermakers
DC option for the 170

The Seafari Quest

Flexibility in configuration.

The new R.O. boost Seafari Quest is engineered for boaters with limited power options. Featuring automatic operation and a new control system, the Quest provides improved fresh water flush features, better maintenance access, and additional safety alarm features. The Seafari Quest is the ideal watermaker for small boats and sail boats.



Quest Controller





Save energy for more important things.

Productions: 200 - 600 Gal per day

Boat Sizes : 40 ft - 50 ft

Configurations: Compact
Modular

Key Features: Low Power Consumption
DC Power
Automatic operation

Optional Accessories

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



Oil/Water Separator & Commercial Pre-filter
Removes oil from the feed water and provides prefiltration that reduces maintenance time and cost.



Media Filter
Removes sand and other various media from the feed water. Recommended where feed water is high in suspended particles and biological growth. This also extends the life of the pre-filter.



UV Sterilizer
Eliminates 99.8% of bacteria, viruses, and microorganisms from the feed water.



Mesh Sea Strainers
Traps sand with mesh screen, extending pre-filter life.



Soft Start Motor
Reduces system start up, up to 70%. Only available for single phase, 110/ 220VAC, 50/60 Hz systems.



Plankton Filter
Filters most microorganisms from the feed water, prolonging pre-filter life.



Fresh Water Flush
Prevents fouling of the membranes and pre-filters by automatically rinsing the system with fresh water every seven days.



Charcoal Filter
Removes any unwanted flavors or smells from the product water, leaving a great, clean taste.



Key: ● Seafari Versatile ● Seafari Mini ● Seafari Quest



Compliments of Riviera Yachts



pH Neutralizer

The pH Neutralizing Filter provides pH neutralization of the reverse osmosis system product water.



Remote Control

Be able to control and monitor the watermaker from anywhere on the yacht.



Meter DS Pocket

Measures the amount of total dissolved solids found in water



Planned Maintenance Kits

Help prolong your watermaker, and eliminate unnecessary buildup that can lead to extra maintenance. HRO's planned maintenance kits includes all necessary pre-filter elements, screens, cleaning compound kits, pump crankcase oil, replacement seals for the pre-filter, and storage compound kit. Please specify system model number upon ordering.





System Specifications

Compliments of Hunter Marine

Product Water Production Stated Per Hour And Per Day Of Operation:
Based in $\pm 1.5\%$ at 800 psi / 55 Bar, 77°F / 25°C, 35,000 PPM TDS

Salt Rejection (Chloride Ion):
Minimum 99.2%, average 99.4%

Product Water Temperature:
Ambient to feed water temperature

Salinity Monitoring:
Automatic computer controlled electronic monitoring with continuous readout in micromhos per cubic centimeter, are temperature compensated and of a fail-safe design.

Salinity Range Of Feed Water:
Seawater up to 50,000 PPM TDS (NaCl) (typically seawater salinity is 35,000 PPM TDS NaCl)

Temperature Range:
Maximum 122°F / 50°C minimum - 33° F / .5°C

Reverse Osmosis Membrane:
Specifically selected high rejection / high yield aromatic tri-polyamid, thin film composite, spiral wound, single pass reverse osmosis membrane element.

Chlorine Tolerance:
1000 hours @ 0.1 PPM, pH range 3-11

Feed Water Pressure: Min 6 PSI / .42 Kg/cm² / 41.4kPa.
Max 40 PSI / 2.8 Kg/cm² / 275.8 kPa

Operating Pressure: From seawater @ 35,000 PPM & 77°F
Nominal 800 pSI / 56.25 Kg/cm² / 5516 kPa

External installation water connections:

	Mini 170	Mini 350 - 750	Seafari Versatile	Quest
Feed Inlet	1/2	5/8	3/4" FNPT	3/4" FNPT
Brine discharge	1/2	1/2	1/2" FNPT	1/2" FNPT
Product	1/4	3/8	3/8" MNPT	3/8" MNPT

Seafari Versatile - Specifications

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

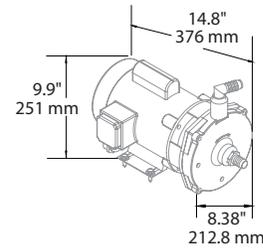
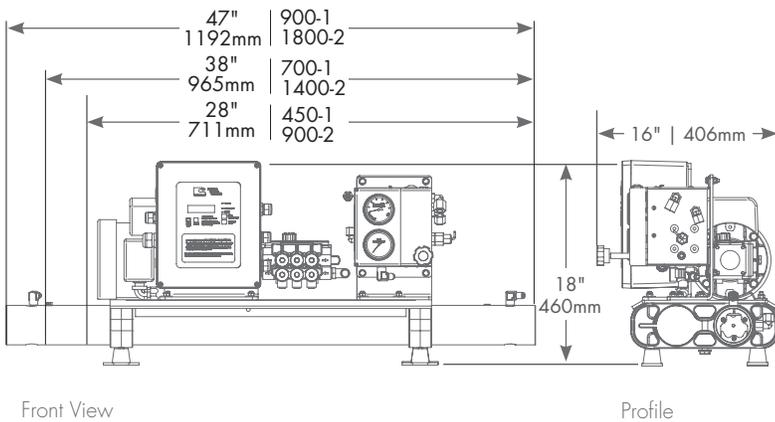
High Pressure Pump Motor and Booster Pump combined Amp Draw:

Models: 450-1 & 900-2 • 60Hz Models: 450-1, 700-1, 900-1, 900-2, 1400-2, & 1800-2 • 50 - 60Hz

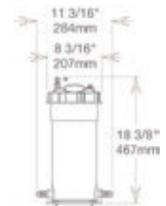
Phase	Hz	Voltage	HP	Running Amps	Start Up Amps	Phase	Hz	Voltage	HP	Running Amps	Start Up Amps
1	60	115	2.1	28	93	1	50/60	115	2.5	30	103
1	60	220	2.1	14	47	1	50/60	220	2.5	15	52
3	60	220	3	12	30	3	50/60	220	3	12	30
3	60	440	3	6	15	3	50/60	440	3	6	15

Seafari Versatile - Dimensions

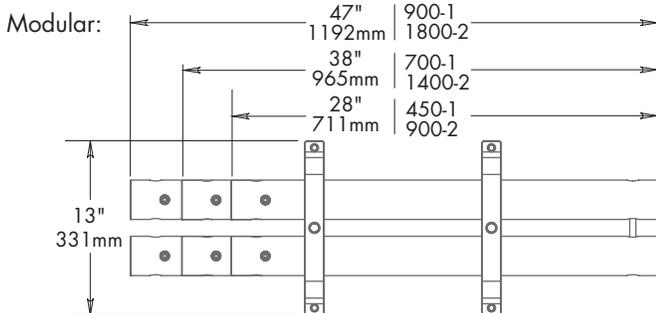
Self Contained:



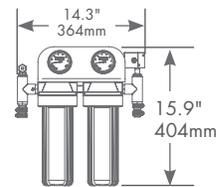
Booster Pump



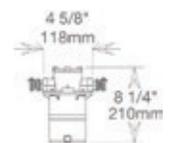
Commercial Prefilter & Oil Water Separator



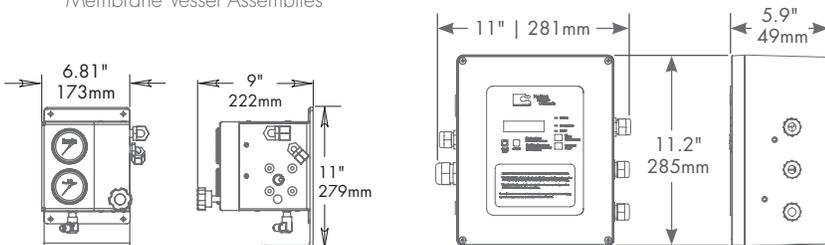
Membrane Vessel Assemblies



Dual Pre-filter & Post Filter

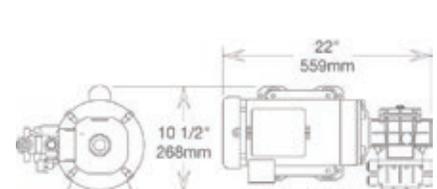


Sea Strainer



Remote Cube Front | Profile

Control Box



Motor Pump Assembly

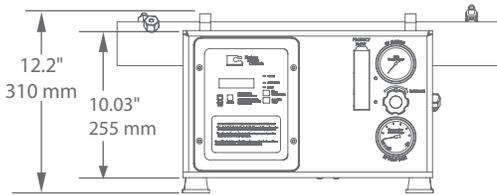
Seafari Mini - Specifications

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

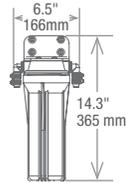
Electrical	Phase	Pump Motor	Voltage	HZ	H.P.	Running Amps	Start Up Amps
Mini 170	N/A	HP	12 / 24	N/A	0.33	27 / 13.4	90/45
Mini 170	Single	HP	110 / 230	50//60	0.33	6.6/3.3//5.2/2.6	26/13
Mini 350	Single	HP	110 / 230	60	1	12.8/6.4	39/20
Mini 350	Single	HP	110 / 230	50	1	12.4/6.2	37/19
Mini 550 / 750	Single	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

Seafari Mini - Dimensions

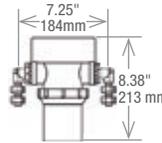
Mini 170 - compact



Front View

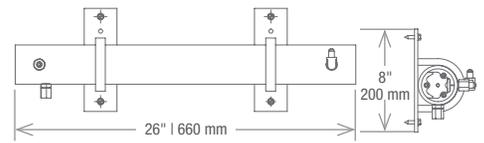


Prefilter Assembly

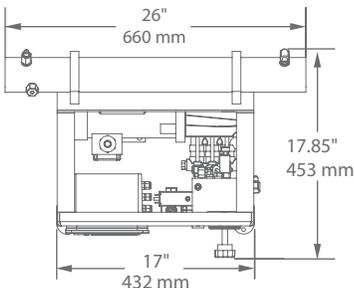


Sea Strainer

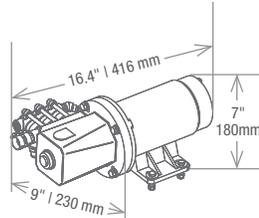
Mini 170 - modular



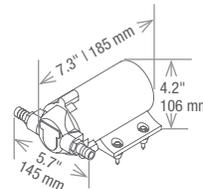
Membrane Assembly



Top View

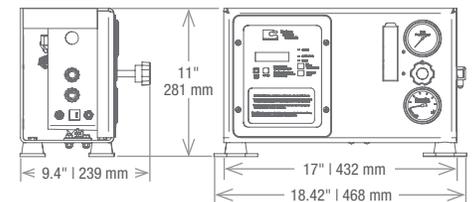


HP pump

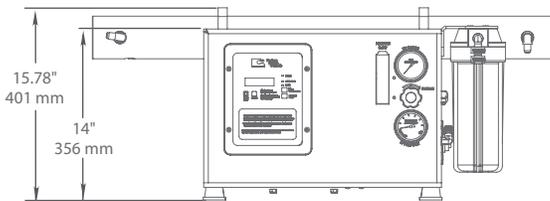


Booster pump

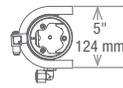
Modular - Main Controller (170 - 750)



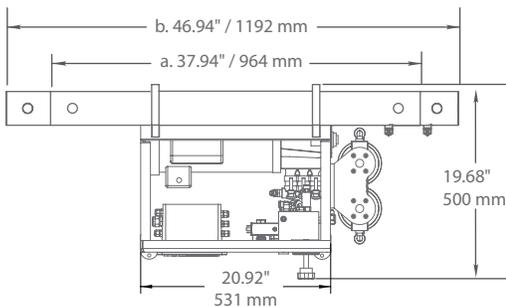
Mini 350 | 550 | 750 - compact



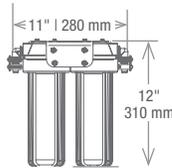
Front View



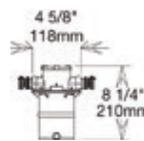
Membrane Assembly



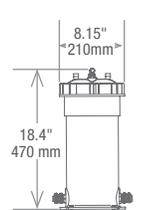
Top View



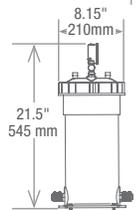
Prefilter Assembly



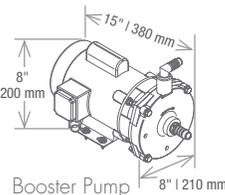
Sea Strainer



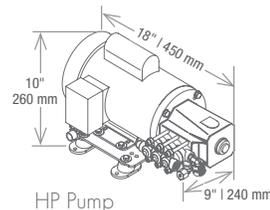
OW Separator



Commercial Prefilter

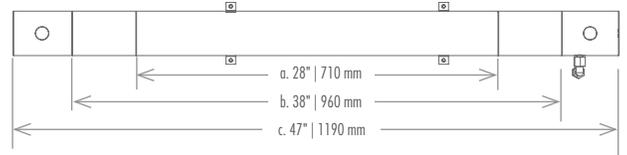


Booster Pump

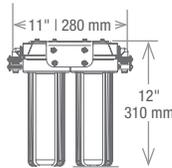


HP Pump

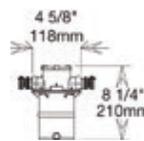
Mini 350 | 550 | 750 - modular



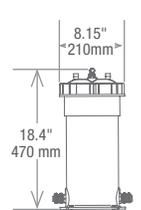
Membrane Assembly



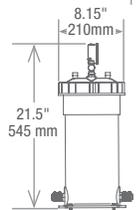
Prefilter Assembly



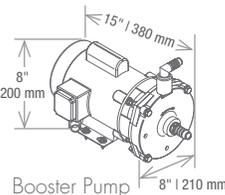
Sea Strainer



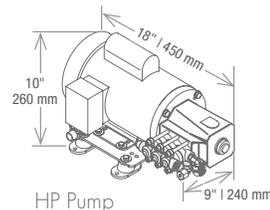
OW Separator



Commercial Prefilter



Booster Pump



HP Pump

Seafari Quest - Specifications

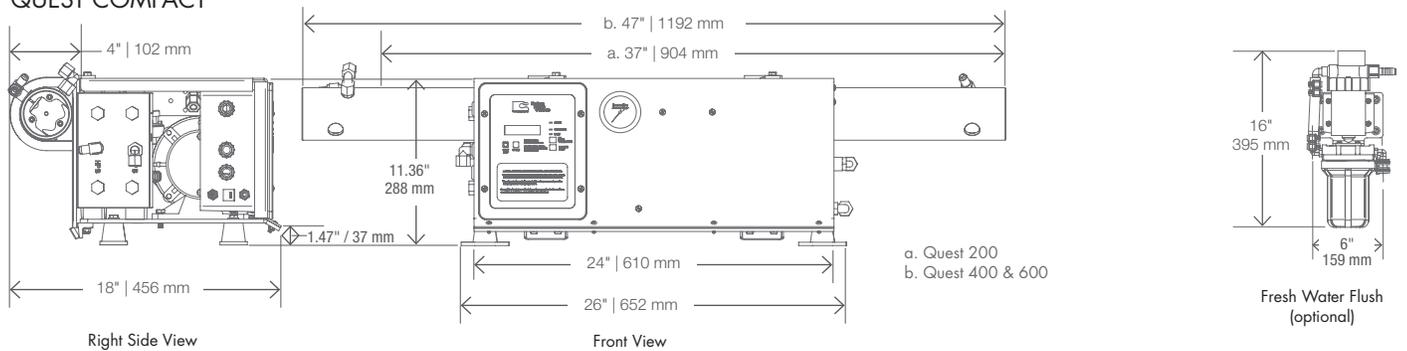
Model	Per Hour	Weight - Compact	R.O. Boost Recovery %	SUC 12V	SUC 24V	Motor HP 12/24V
Quest 200	8 Gal / 32 Lit	115 lbs / 52 kg	13%	54	27	0.3
Quest 400	17 Gal / 63 Lit	120 lbs / 54 kg	13%	60	42	0.3
Quest 600	25 Gal / 95 Lit	125 lbs / 57 kg	13%	99	55	0.5

Vane Pump - Electrical

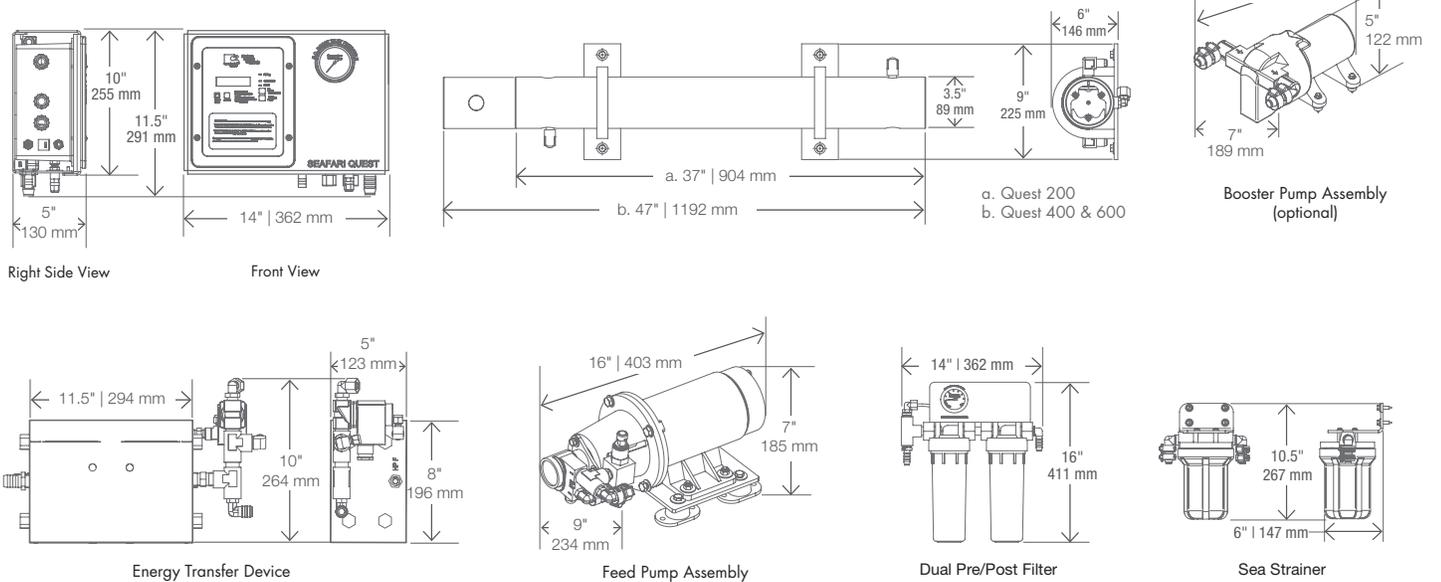
Model	Feed Flow - GPM	Product - GPD	Normal Amp - Draw 12V	Normal Amp - Draw 24V
Quest 200	1.7	200	21	10.5
Quest 400	2.3	400	26	13
Quest 600	3.2	600	38	20

Seafari Quest - Dimensions

QUEST COMPACT



QUEST MODULAR





For more information, contact your
Horizon Reverse Osmosis dealer,
or call toll-free in the U.S. and Canada:
1-800-366-4476.

Horizon Reverse Osmosis
2630 E. El Presidio St. | Carson, CA 90810
Tel: 310-608-5600 | Fax: 310-608-5692
Email: sales@hrosystems.com

www.hrosystems.com

Authorized dealer near you:



PN: D1HMB1 • HRO-012814

Horizon Reverse Osmosis cannot accept responsibility for possible errors in catalogs, brochures and other printed material. Horizon Reverse Osmosis 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 subsequent changes being necessary in specifications already agreed.

© 2014 by Horizon Reverse Osmosis All rights reserved.