

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.



ISO 14001:2004



ISO 9001:2008







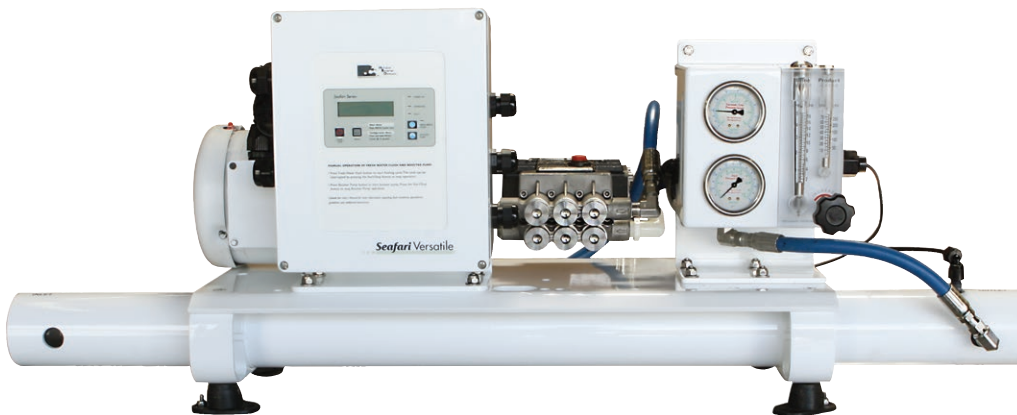
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# The Seafari Versatile

## 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.





A large, modern white and black Sunseeker yacht is shown from an elevated side angle, sailing on a deep blue ocean. The yacht features multiple decks with wooden flooring, stainless steel railings, and various seating areas. Several people are visible on the deck, including a woman in a pink swimsuit and a man in a blue shirt. The yacht has a prominent mast with radar domes and other electronic equipment. The overall scene is bright and sunny, suggesting a clear day at sea.

# 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.







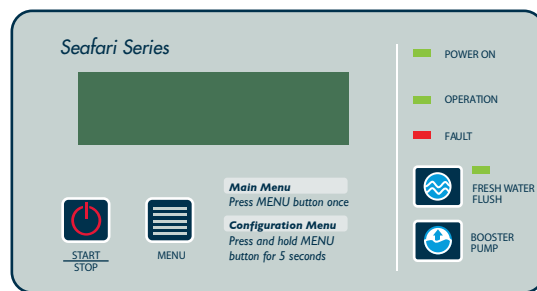
# How to store 350 gallons in 2.5 square feet of space.

- 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





A white Hunter 39 sailboat is shown on the water. A man and a woman are on board. The boat has a white hull with a blue stripe and the name 'HUNTER 39' on the side. The background is a clear blue sky and water.

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.





Compliments of Hunter Marine

# System Specifications

**Product Water Production Stated Per Hour And Per Day Of Operation:**  
Based in  $\pm 15\%$  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/cm<sup>2</sup> / 41.4kPa.  
Max 40 PSI / 2.8 Kg/cm<sup>2</sup> / 275.8 kPa

**Operating Pressure:** From seawater @ 35,000 PPM & 77°F  
Nominal 800 pSI / 56.25 Kg/cm<sup>2</sup> / 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:

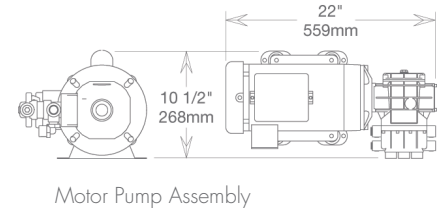
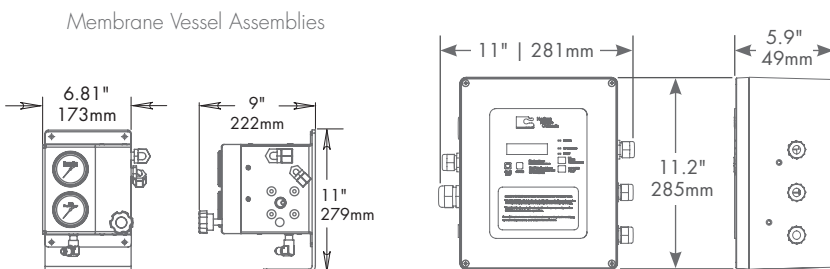
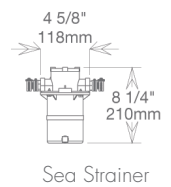
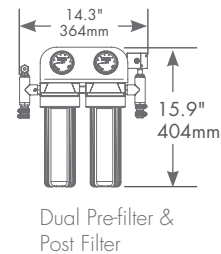
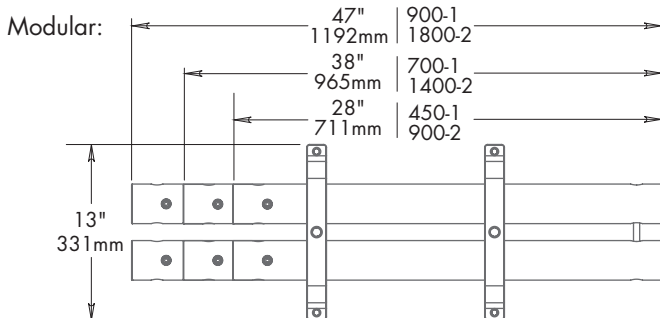
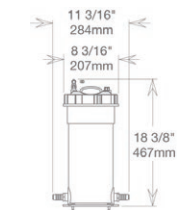
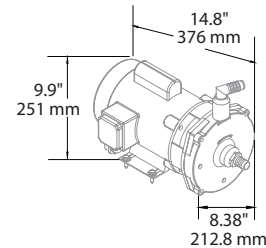
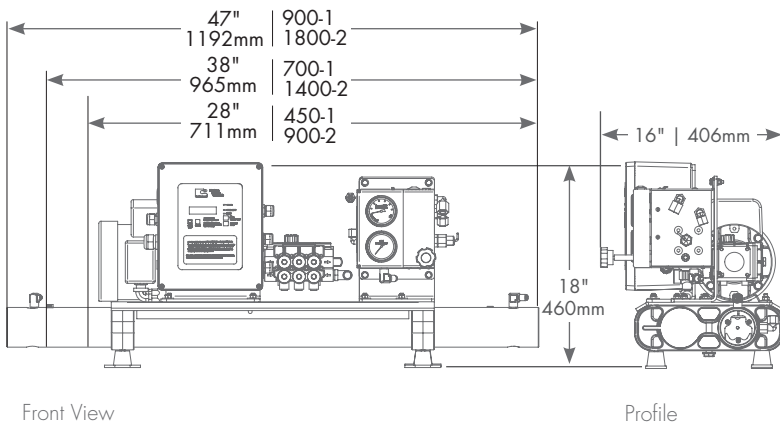
Models: 450-1 & 900-2 • 60Hz

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:



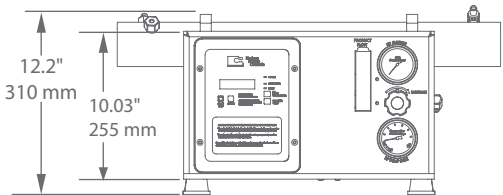
# Seafari Mini - Specifications

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

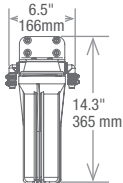
Electrical	Phase	Pump Motor	Voltage	HZ	H.P.	Running Amps	Start Up Amps
Mini 170	N/A	HP	12 / 24	N/A	0.33	29 / 14	90 / 45
Mini 170	Single	HP	110 / 230	50 / 60	0.33	6 / 3	26 / 13
Mini 350	Single	HP	110 / 230	50 / 60	1	13 / 6.5	52 / 26
Mini 550 / 750	Single	HP	110 / 220	50 / 60	2.1	26 / 13	93 / 47
Mini 550 / 750	Single	Booster	110 / 220	50 / 60	0.5	7 / 3.5	28 / 14

# Seafari Mini - Dimensions

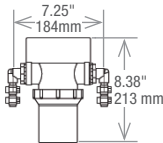
Mini 170 - compact



Front View

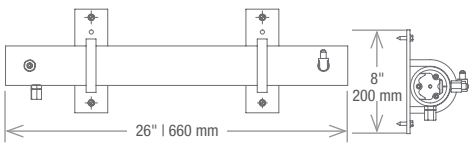


Prefilter Assembly

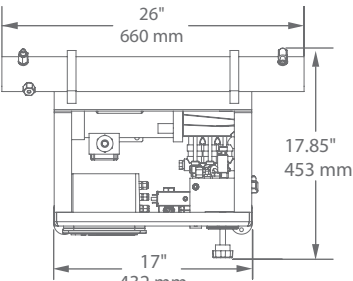


Sea Strainer

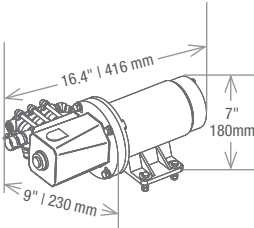
Mini 170 - modular



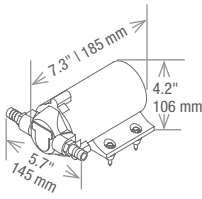
Membrane Assembly



Top View

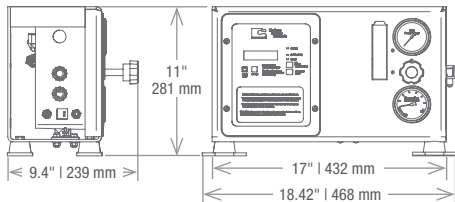


HP pump

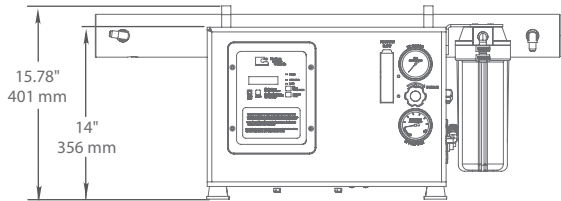


Booster pump

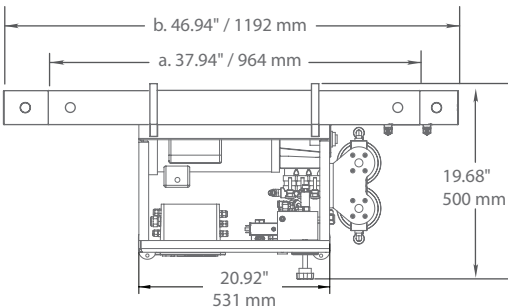
Modular - Main Controller (170 - 750)



Mini 350 | 550 | 750 - compact

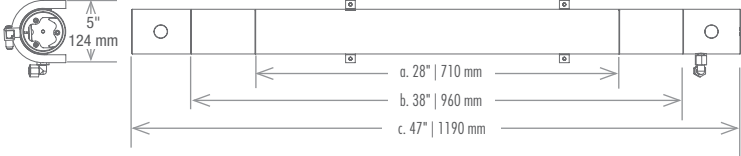


Front View

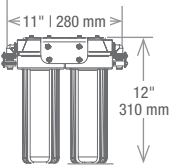


Top View

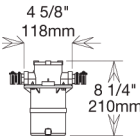
Mini 350 | 550 | 750 - modular



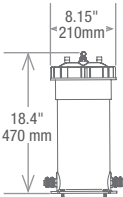
Membrane Assembly



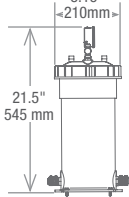
Prefilter Assembly



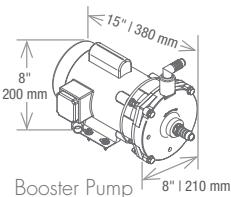
Sea Strainer



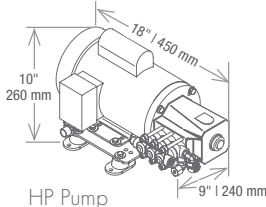
OW Separator



Commercial Prefilter



Booster Pump



HP Pump



# Seafari Quest - Specifications

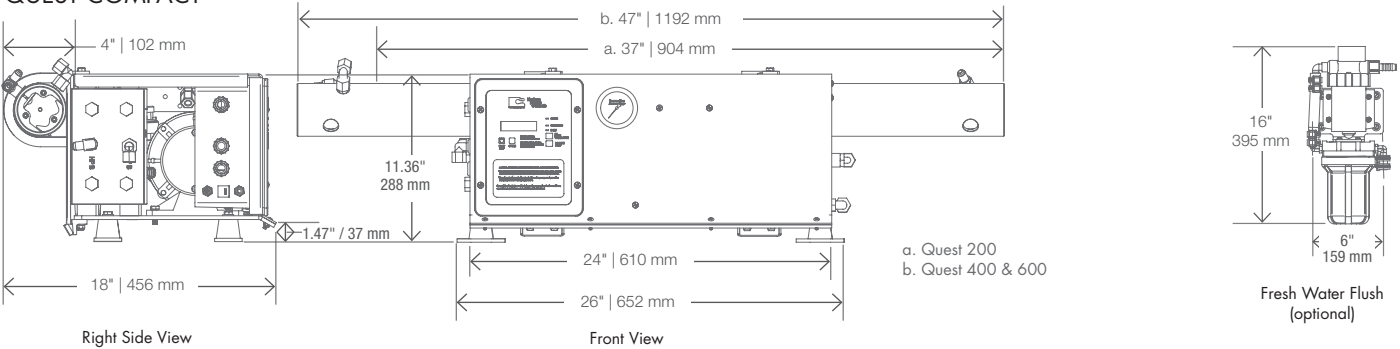
Model	Per Hour	Weight - Compact	R.O. Boost Recovery %	SUC 12V	SUC 24V	Motor HP 12/24V
Quest 200	8 Gal / 32 Lit	115 lbs / 52 kg	13%	54	27	0.3
Quest 400	17 Gal / 63 Lit	120 lbs / 54 kg	13%	60	42	0.3
Quest 600	25 Gal / 95 Lit	125 lbs / 57 kg	13%	99	55	0.5

## Vane Pump - Electrical

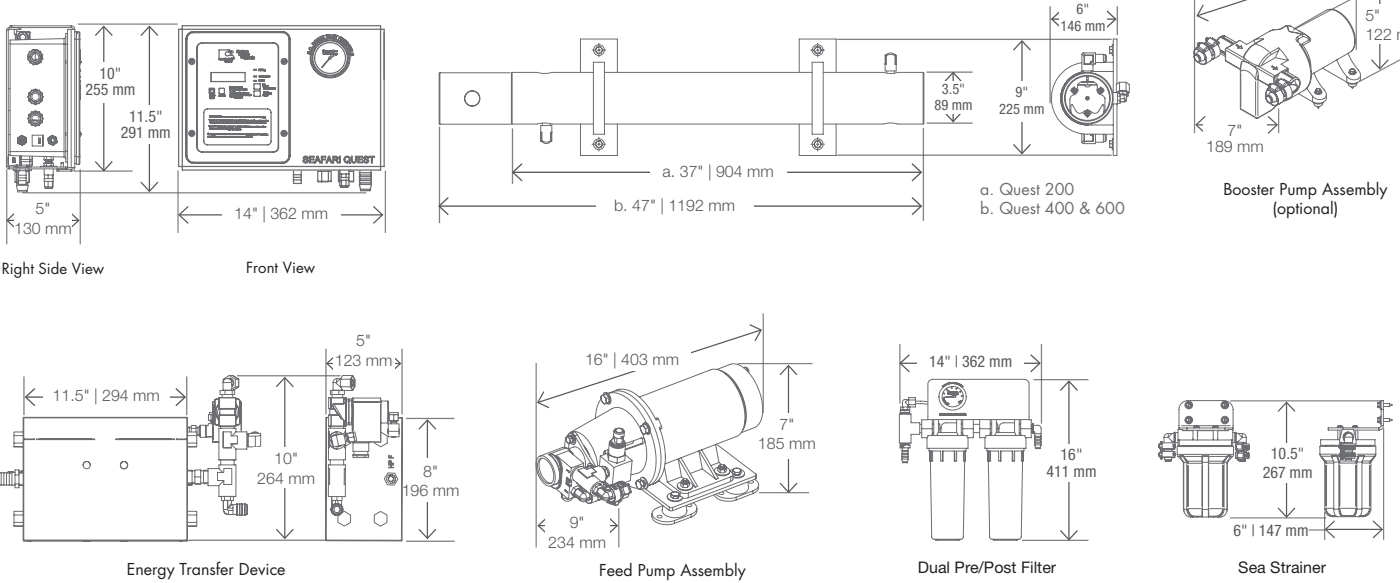
Model	Feed Flow - GPM	Product - GPD	Normal Amp - Draw 12V	Normal Amp - Draw 24V
Quest 200	1.7	200	21	10.5
Quest 400	2.3	400	26	13
Quest 600	3.2	600	38	20

# Seafari Quest - Dimensions

### QUEST COMPACT



### QUEST MODULAR



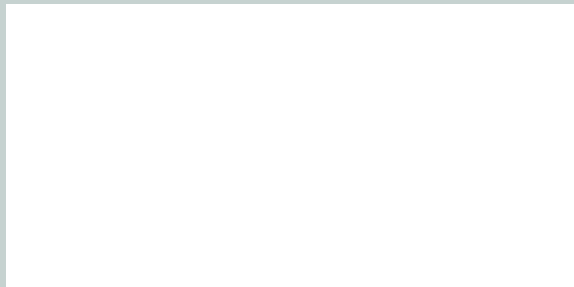


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