

WATERMAKERS



Compliments of Sunseeker



Compliments of Riviera Yachts



Compliments of Huger 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

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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.



Any boat. Any Destination.



- Production:** Up to 1,800 Gal per day
- Boat Sizes:** 40 ft - 100 ft
- Configurations:** Modular (top left)
Self Contained (bottom left)
- Key Features:** Remote cube
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.



170



350



550 - 750



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

Productions: 170, 350, 550, and 750
gallons per day

Boat Sizes: 35 ft - 45 ft

Configurations: Compact

Key Features: Smallest line of
watermakers
DC option for the 170

The Seafari Escape

Powerfully Efficient.

Featuring Horizon Reverse Osmosis's EfficientSea technology, the Seafari Escape is capable of reducing its total power consumption by up to 75%. With the installation of its patented Energy Transfer Device, the need for a high-pressure pump is eliminated. The result is a system that is efficient, virtually noiseless, and capable of running on either AC, or DC power. Producing between 200 to 600 GPD, the Seafari Escape is perfectly suited for smaller to mid-sized yachts.





Save energy for more
important things.

Productions: 200 - 600 Gal per day

Boat Sizes : 35 ft - 45 ft

Configurations: Compact (bottom)
Modular (top)

Key Features: Low Power Consumption
DC or AC 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 by 55%. Only available for single phase, 110/ 220VAC, 50/60 Hz systems.



Clean Rinse Panel
Separate mounted valves allow for easy R.O. membrane maintenance and complete system rinsing.



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 Escape



Compliments of Riviera Yachts



Plankton Filter

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



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 $\pm 15\%$ 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/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	Escape
Feed Inlet	1/2	5/8	3/4" FNPT	1/2" 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:

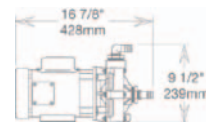
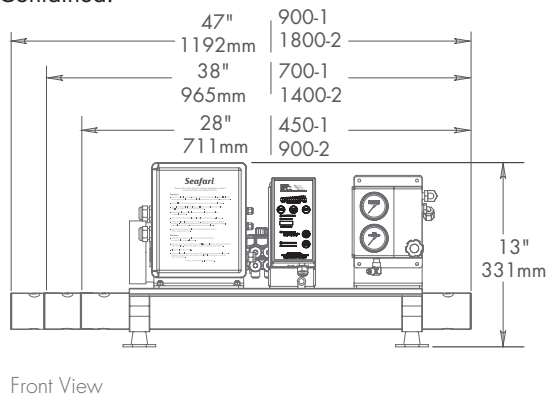
Models: 450-1 & 900-2 • 60Hz

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

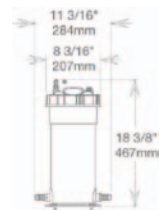
Phase	Hz	Voltage	HP	Running Amps	Start Up Amps	Phase	Hz	Voltage	HP	Running Amps	Start Up Amps
1	60	115	2.1	28	93	1	50/60	115	2.5	30	103
1	60	220	2.1	14	47	1	50/60	220	2.5	15	52
3	60	220	3	12	30	3	50/60	220	3	12	30
3	60	440	3	6	15	3	50/60	440	3	6	15

Seafari Versatile - Dimensions

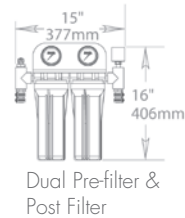
Self Contained:



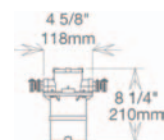
Booster Pump



Commercial Prefilter & Oil Water Separator

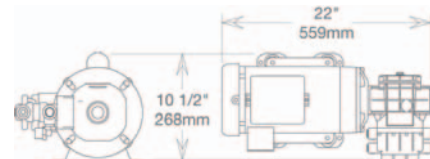
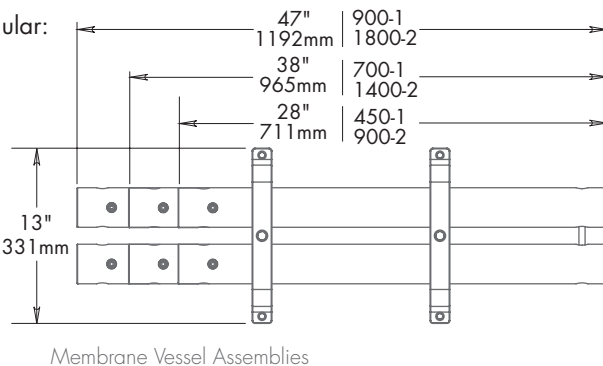


Dual Prefilter & Post Filter

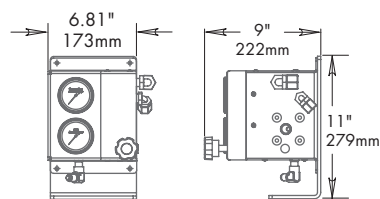


Sea Strainer

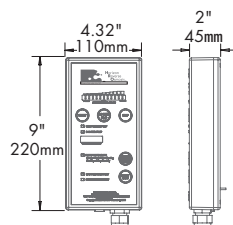
Modular:



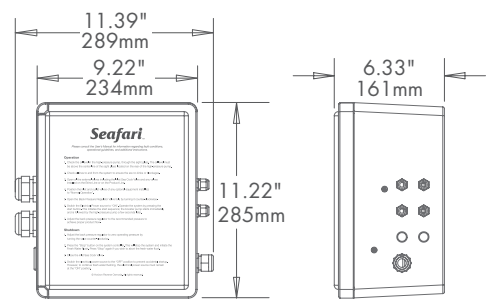
Motor Pump Assembly



Remote Cube Front | Profile



Controller Pad



Control Box

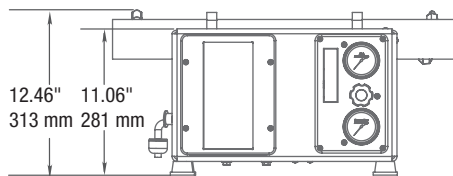
Seafari Mini - Specifications

Model Number	Per 24 Hours - Gal / Lit	Per Hour - Gal/ Lit	Weight
Mini 170	170 / 645	7 / 25	95 lbs / 43 kg
Mini 350	350 / 1,325	15 / 55	125 lbs / 57 kg
Mini 550	550 / 1,900	23 / 87	125 lbs / 57 kg
Mini 750	750 / 2,850	31 / 117	130 lbs / 59 kg

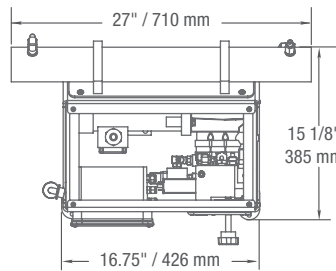
Electrical	Phase	Pump Motor	Voltage	HZ	H.P.	Running Amps	Start Up Amps
Mini 170	N/A	Booster/ HP	12V DC	N/A	0.33	29	90
Mini 170	N/A	Booster/ HP	24V DC	N/A	0.33	14	45
Mini 170	Single	Booster/ HP	115	50 60	0.33	6	20
Mini 170	Single	Booster/ HP	220	60 60	0.33	3	10
Mini 350	Single	Booster/ HP	115	50 60	1	21	70
Mini 350	Single	Booster/ HP	220	60 60	1	10	35
Mini 550 / 750	Single	High Pressure	110 / 220	50 60	2	28 / 14	93 / 47
Mini 550 / 750	Single	Booster	110 / 220	50 60	1/2	8 / 4	28 / 14

Seafari Mini - Dimensions

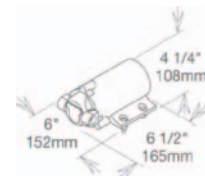
Mini 170



Front View

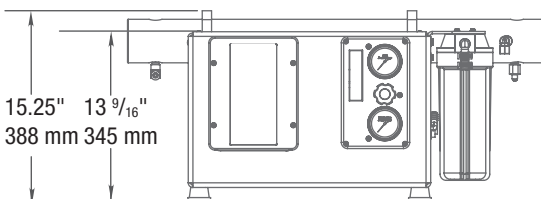


Top view

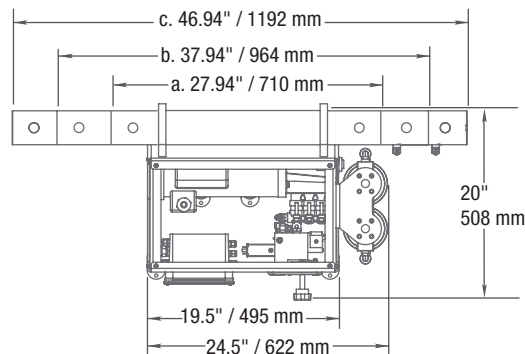


Booster pump

Mini 350 | 550 | 750

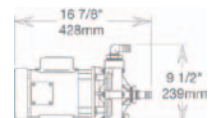


Front View



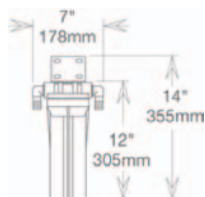
Top view

- a. Seafari Mini 350
- b. Seafari Mini 550
- c. Seafari Mini 750

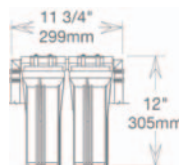


Booster pump

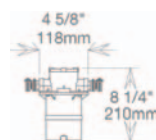
Filtration for Mini 170, 350, 550 and 750



Single Post Filter



Dual Pre-filter &
Post Filter



Sea Strainer

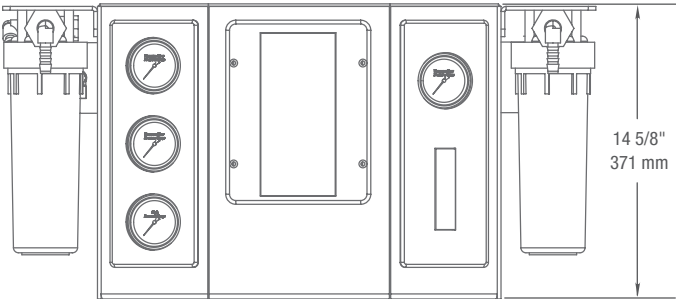
Seafari Escape - Specifications

Model Number	Per 24 Hours - Gal / Lit	Per Hour - Gal/ Lit	Weight
Escape 200	200 / 760	8 / 30	105 lbs / 48 kg
Escape 400	400 / 1,515	17 / 65	120 lbs / 54 kg
Escape 600	600 / 2,270	25 / 95	120 lbs / 54 kg

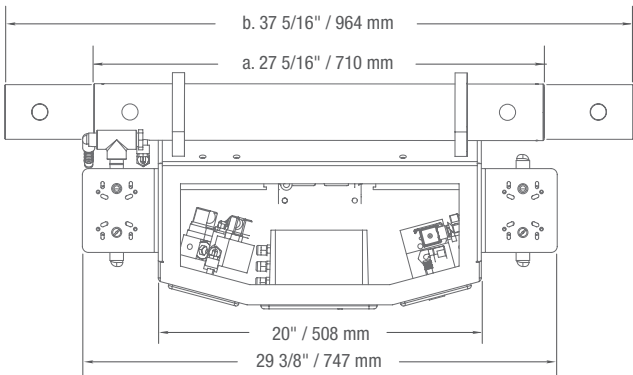
Electrical	Phase	Pump Motor	Voltage	HZ	H.P.	Running Amps	Start up Amps
Escape 200	N/A	High Pressure	12V DC	N/A	0.33	13	95
	N/A	High Pressure	24V DC	N/A	0.33	7	48
	1	High Pressure	115	50 60	0.33	5.1	15
	1	High Pressure	220	60 60	0.33	2.5	8
Escape 400	N/A	High Pressure	12V DC	N/A	0.33	22	95
	N/A	High Pressure	24V DC	N/A	0.33	11	48
	1	High Pressure	115	50 60	0.33	6.7	15
	1	High Pressure	220	60 60	0.33	3.3	8
Escape 600	N/A	High Pressure	24V DC	N/A	0.5	22	60
	1	High Pressure	115	50 60	0.5	12	33
	1	High Pressure	220	60 60	0.5	6	15

Seafari Escape - Dimensions

a. Mini 200
b. Mini 400 & 600

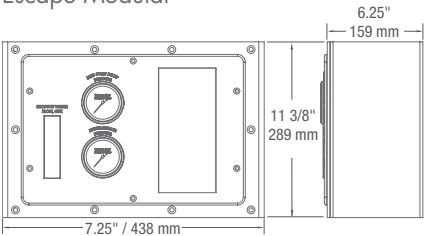


Front View

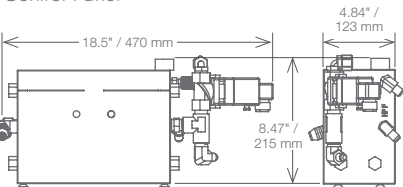


Top view

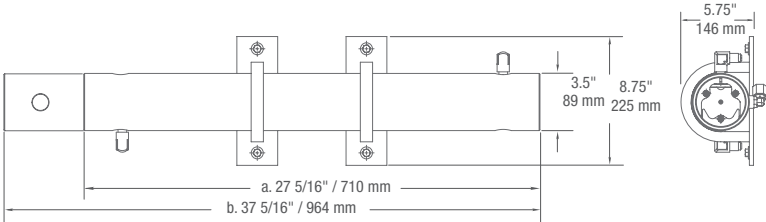
Escape Modular



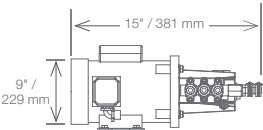
Control Panel



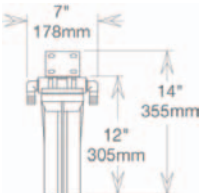
Energy Transfer Device



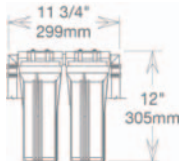
Single membranes



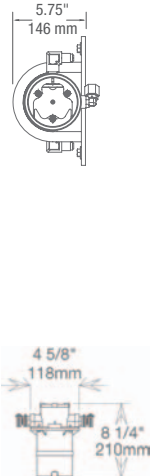
Feed Pump



Single Post Filter



Dual Pre-filter & Post Filter



Sea Strainer



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

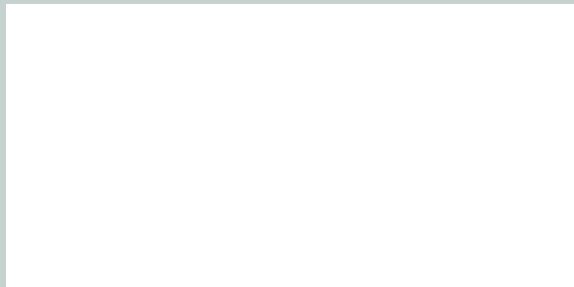
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