

Schenker[®]

WATERMAKERS





MANUFACTURER OF HIGH QUALITY MARINE WATERMAKERS.

Schenker watermakers

Our history

Established in 1998, Schenker is a leading manufacturer of high quality watermakers based on our patented Energy Recovery System. The company prides itself on its continuous investment in research and development, providing its customers with unsurpassed technical solutions.

Our innovation

Schenker uses a low-pressure feed pump. The pressure is then increased using our new patented Energy Recovery System, powered by the waste water from the reverse osmosis process. This reduces the power consumption by up to 80% compared with conventional watermakers.

Our mission

Provide high quality and innovative products that meet our customer needs.
Provide excellent service and on-going support through our network of international representatives.
Provide energy efficient, simple and reliable solutions for making water.

Why choose a Schenker watermakers?

Power consumption is reduced by up to 80% compared with conventional watermakers. For example just 240 Watts is required to produce 60 litres of drinking water.

80% LESS
POWER
CONSUMPTION

Schenker watermakers produce pure drinking water. No need to carry onboard supplies of plastic bottled water thereby reducing our reliance on plastic and protecting our oceans.

REDUCING
WASTE

Thanks to their high efficiency, Schenker watermakers can be powered directly from service batteries without the need to run the engine or generator.

DIRECT
SERVICE
BATTERIES
POWER
SUPPLY

Schenker watermakers low pressure pump and Energy Recovery System result in quiet, vibration free operation.

QUIET
OPERATION

Thanks to the low power consumption, Schenker watermakers can easily be powered by renewable energy.

ECO
SUSTAINABILITY

Schenker watermakers are constructed of corrosion free materials such as carbon fibre and acetylic resins. The watermaker is totally corrosion free.

CORROSION
FREE
MATERIALS

The watermaker will automatically flush the membrane with fresh water at the end of its cycle.

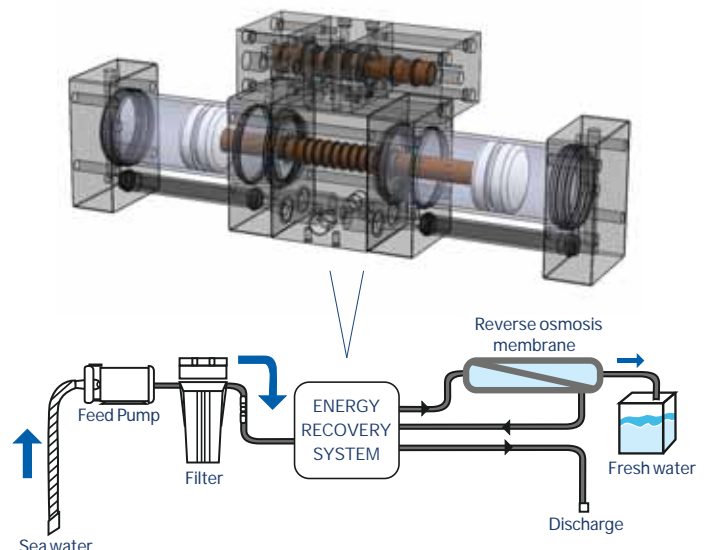
AUTOMATIC
MEMBRANE
FLUSHING

Schenker watermakers new generation seals have been designed using nanotechnology. This material is characterised by a very low friction coefficient and is incredibly long-lasting ensuring reliable operation.

LONG LASTING
COMPONENTS

WORKING PRINCIPLE

Schenker uses a low-pressure feed pump. The pressure is then increased using its new, patented Energy Recovery System powered by the waste water from the reverse osmosis process.. This results in very high-energy efficiency with typical power consumption of only 4 Watts per litre of drinking water produced.



Designed to be

Schenker watermakers are simple, quiet, compact, efficient and fully automatic.

A Schenker watermaker will allow you to extend your cruising duration and increase your independence from marinas, allowing you to enjoy more time on the water.

Schenker's three-year warranty is backed up by our international network of sales and service representatives.



different.



THE NEW GENERATION WATERMAKERS

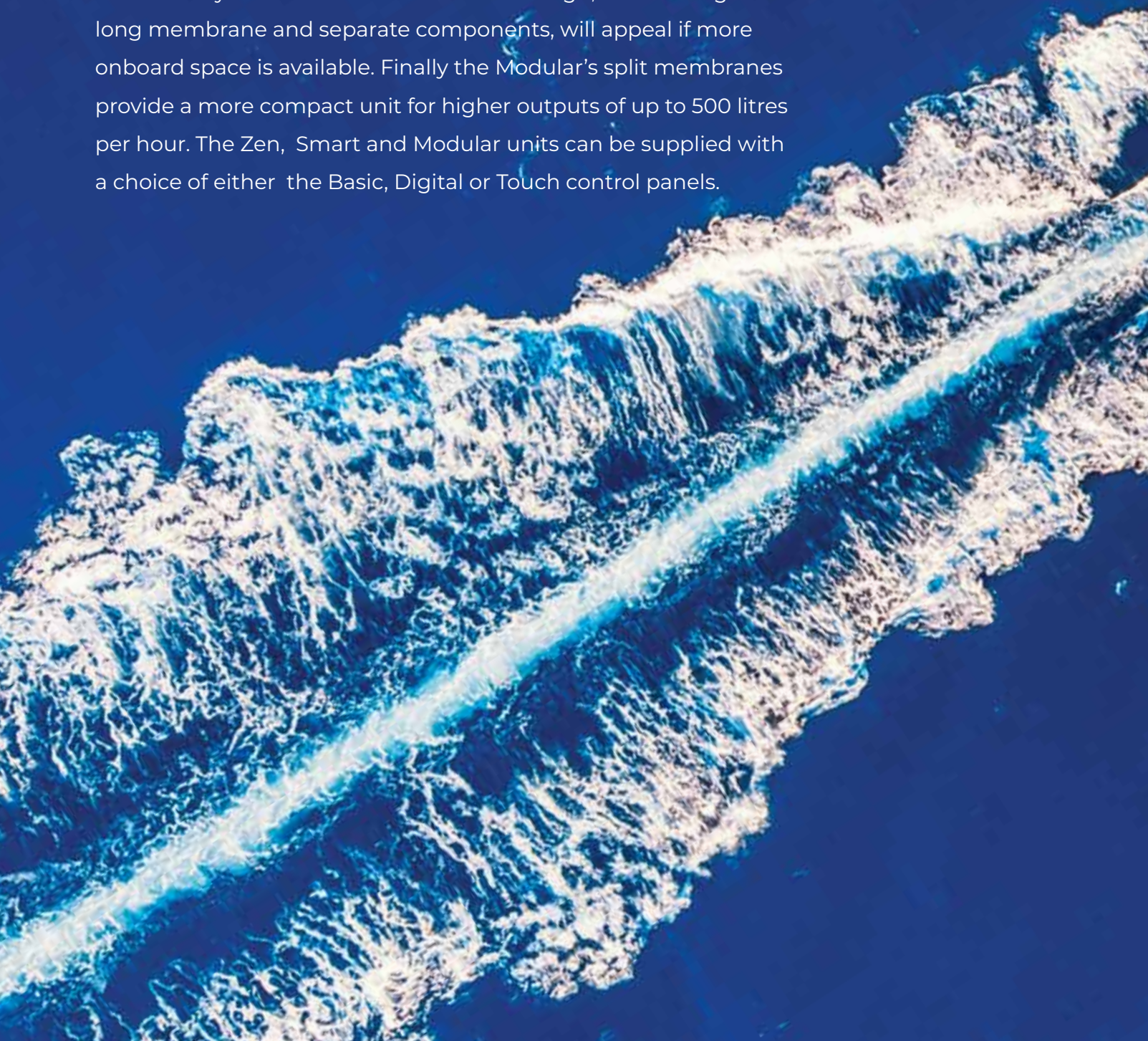
Which model of new generation Schenker watermakers should I choose?

Schenker watermakers are available in three models types: The Zen, Smart and Modular.

All units incorporate Schenker's power saving Energy Recovery System and high quality materials.

The new compact Zen, with its clean looks, ultra-flat design and minimal external fittings, is a perfect choice where onboard space is limited or you want the latest in watermaker design.

Alternatively the more traditional Smart design, with its single long membrane and separate components, will appeal if more onboard space is available. Finally the Modular's split membranes provide a more compact unit for higher outputs of up to 500 litres per hour. The Zen, Smart and Modular units can be supplied with a choice of either the Basic, Digital or Touch control panels.





SMALL, LARGE OR XLARGE

What size of watermaker should I choose?

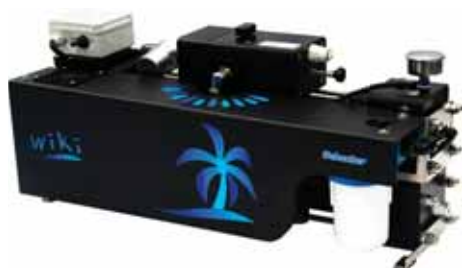
We all have varying water needs aboard, ranging from 30 to 50 litres per day per person. Your ideal watermaker should provide the daily fresh water needs of the boat in about three to four hours. For example, a yacht with 5 persons onboard may need about 200 litres per day. This could be produced by a Zen 50 watermaker in four hours.

DC OR AC ?

Should I choose a dc or ac watermaker?

All Schenker watermakers are fitted with an Energy Recovery System, reducing the power consumption by up to 80% compared with conventional watermakers. The 30 and 50 litre per hour units are available in DC only. Units from 60 to 150 litres per hour are available in both DC and AC, and the higher output units are AC. The quiet operation of Schenker's watermakers allows you to opt for a smaller output unit that can operate for longer periods to produce the amount of water you need.

Our watermakers



Wiki, a compact, portable, energy-efficient, Italian-designed watermaker. It doesn't require installation and can be put into operation in a few minutes, by connecting the pipes through practical quick-coupling fittings. 12-24 VDC, low power (110W), easy setup.



Quiet, small, light, efficient, affordable. Can be installed horizontally or upright. Very compact, fitting the smallest of spaces.

RANGE
30 - 50 - 100 - 150 litres/hour



The ZEN Twin is based on two independent watermakers, offers the possibility to operate both or just one machine.

RANGE
200 - 300 litres/hour

Production may vary +/-20% according to the specific working conditions.

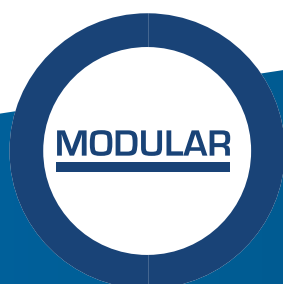
Our watermakers



Light, single membrane.
The ideal solution for those who
prefer a simple and essential system.

RANGE

30 - 60 - 80 - 100 litres/hour

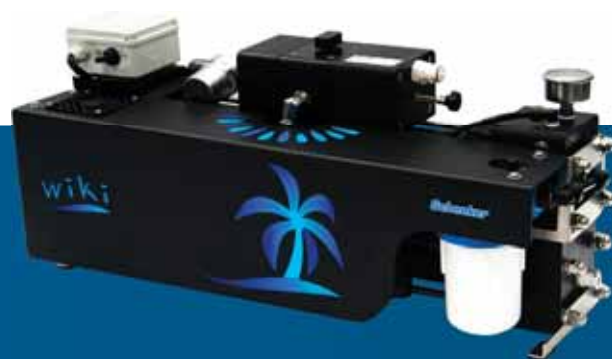


A very compact unit.
Choice of output range to satisfy all
needs.

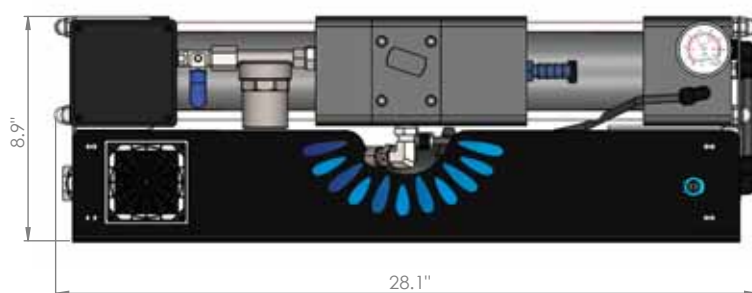
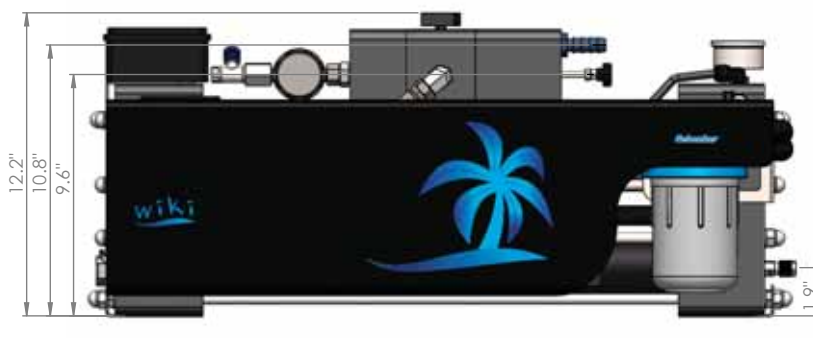
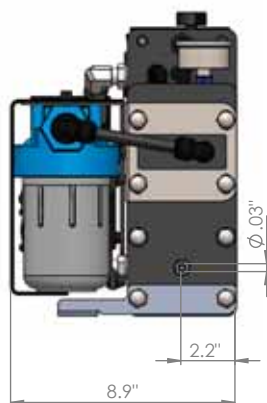
RANGE

35 - 60 - 100 - 150

230 - 300 - 500 litres/hour

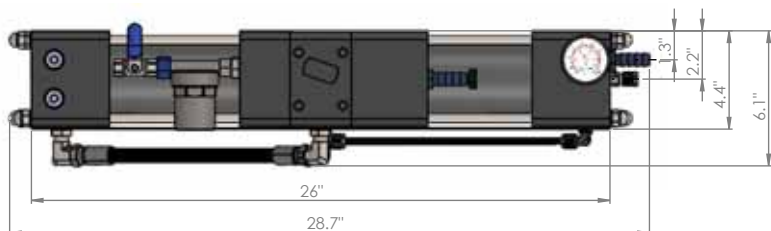
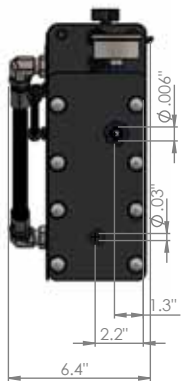


Power Supply	12 / 24 V
Consumption	110 Watt
Weight	55.1 lbs
Membranes	n° 1 2,5" x 21"





Power Supply	12 / 24 V
Consumption	110 Watt
Weight	48.5 lbs
Membranes	n° 1 2,5" x 21"





Power Supply

12 / 24 V



Consumption

240 Watt



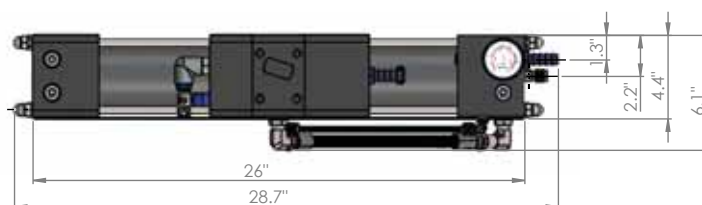
Weight

68.3 lbs



Membranes

n°2 2,5" x 21"





Power Supply

12/24/48 VDC or AC



Consumption

400 Watt



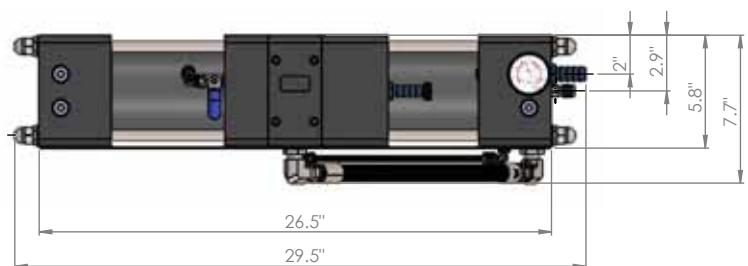
Weight

116.8 lbs







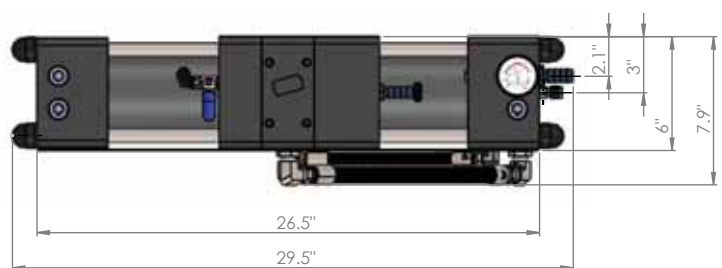
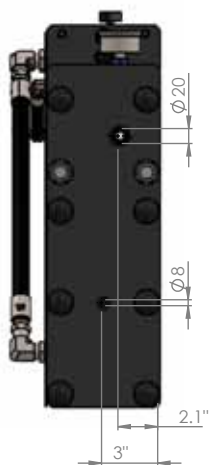
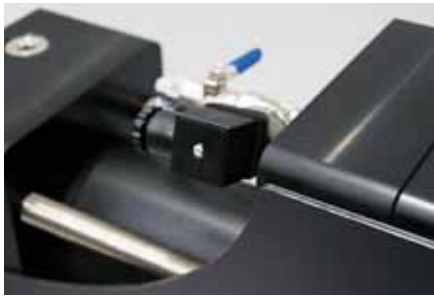
Membranes

n°2 4" x 21"







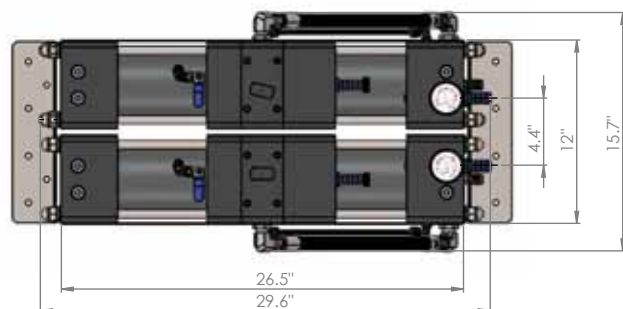
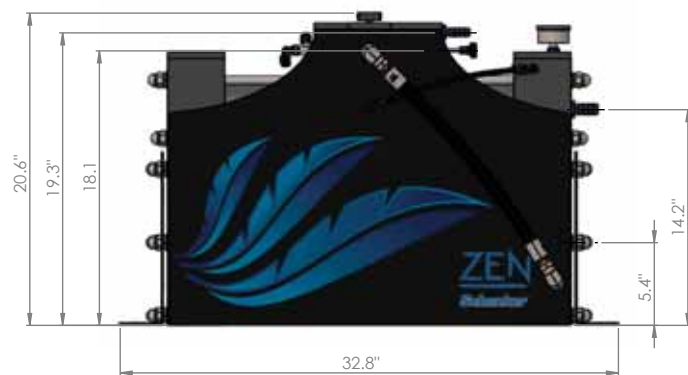
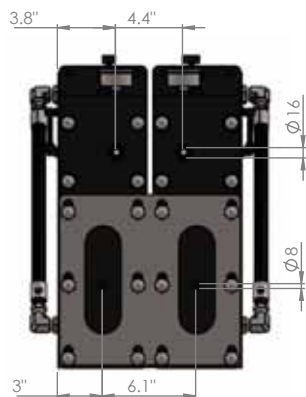


	Power Supply	24/48 VDC or AC
	Consumption	600 Watt
	Weight	136.7 lbs
	Membranes	n°2 4" x 21"



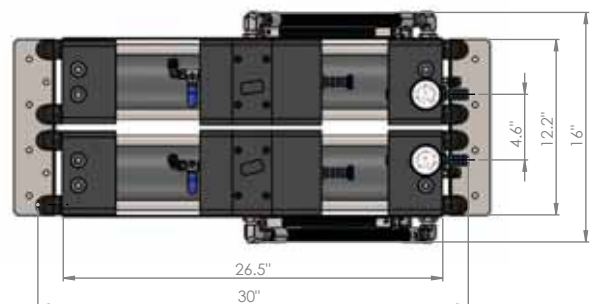
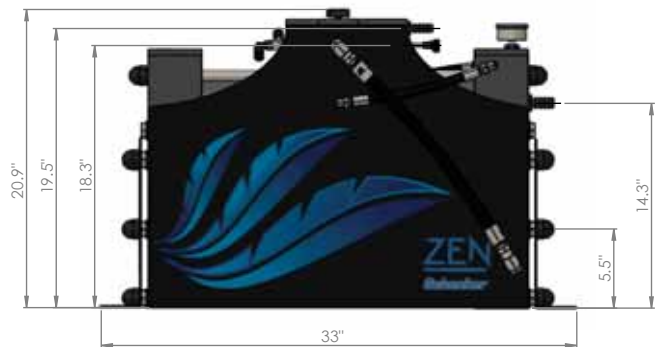
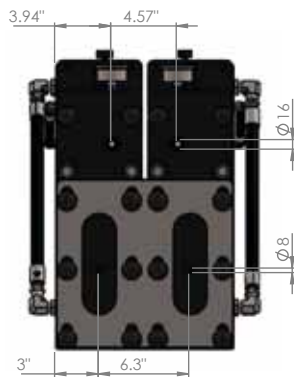
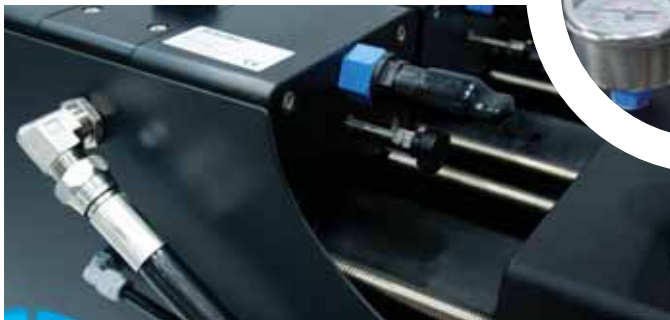


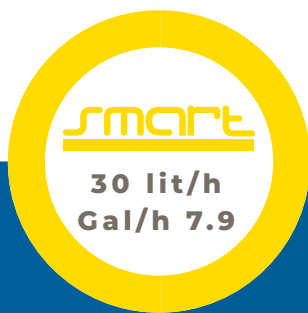
	Power Supply	12/24/48 VDC or AC
	Consumption	800 Watt
	Weight	224.9 lbs
	Membranes	n°4 4" x 21"



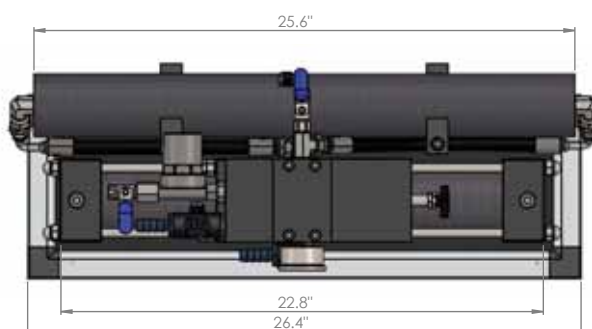
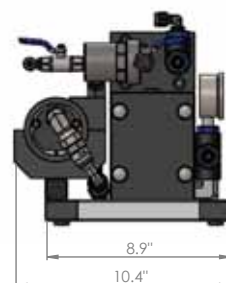
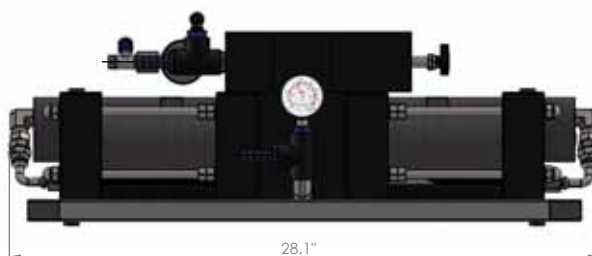
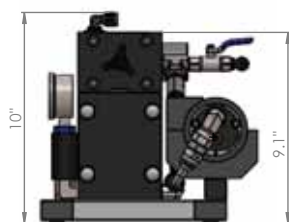


Power Supply	24/48 VDC or AC
Consumption	1,2 kWatt
Weight	264.6 lbs
Membranes	n°4 4" x 21"



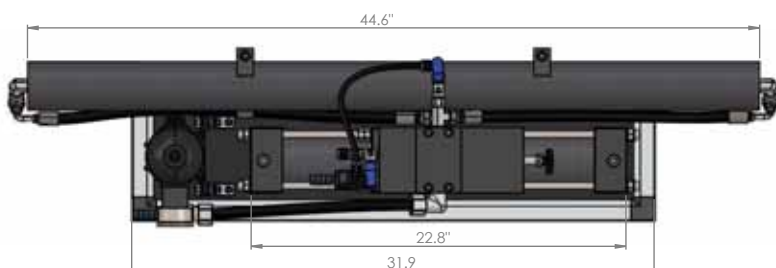
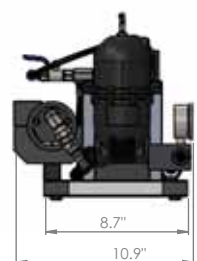
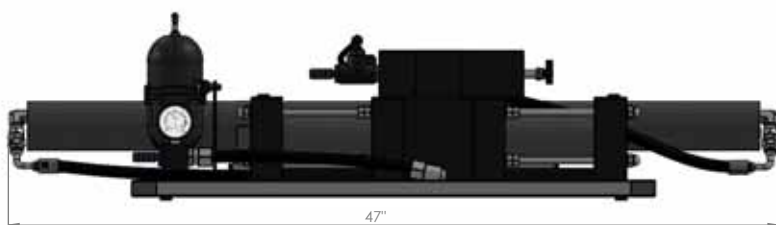
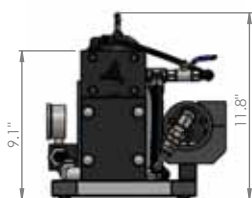


Power Supply	12 / 24 VDC
Consumption	110 Watt
Weight	55.1 lbs
Membranes	nº 1 2,5" x 21"



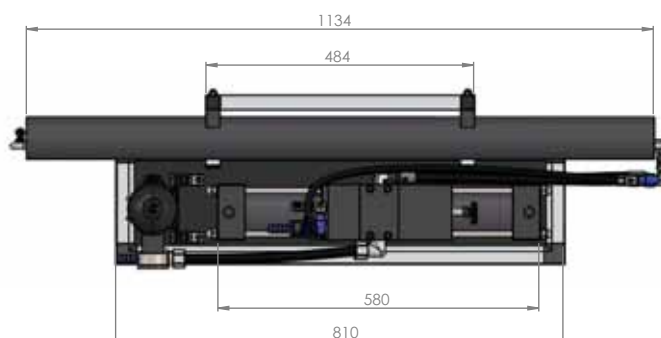
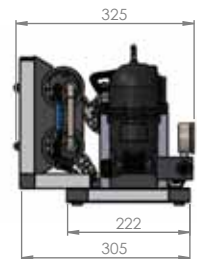
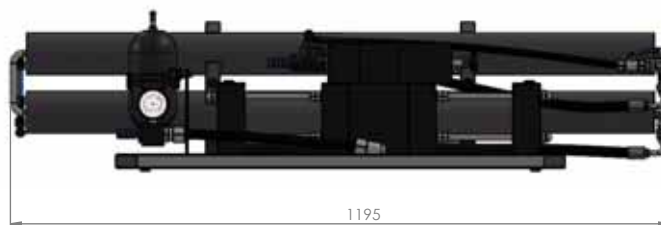
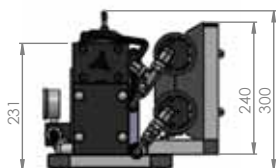


	Power Supply	12 / 24 VDC or AC
	Consumption	240 Watt
	Weight	68.3 lbs
	Membranes	n°1 2,5" x 40"







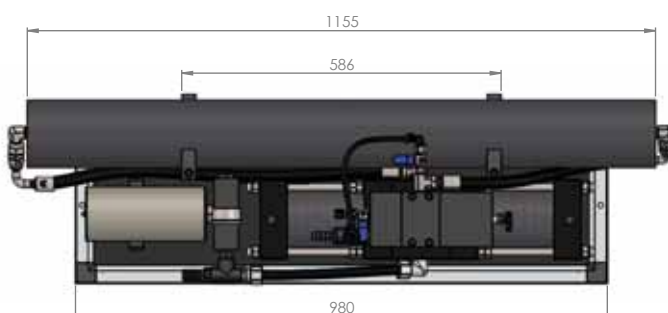
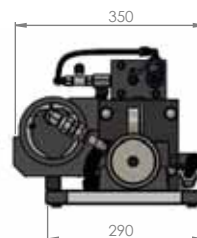
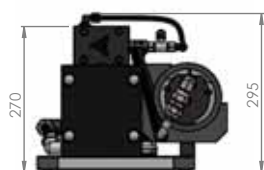


Power Supply	12 / 24 VDC or AC
Consumption	380 Watt
Weight	77.2 lbs
Membranes	n°2 2,5" x 40"





	Power Supply	12/24/48 VDC or AC
	Consumption	400 Watt
	Weight	105.8 lbs
	Membranes	n°1 4" x 40"



MODULAR

35 lit/h
Gal/h 9



Power Supply

12 / 24 VDC



Consumption

100 Watt



Weight

68.3 lbs



Membranes

n°2 2,5" x 21"

1/4
PERSONS



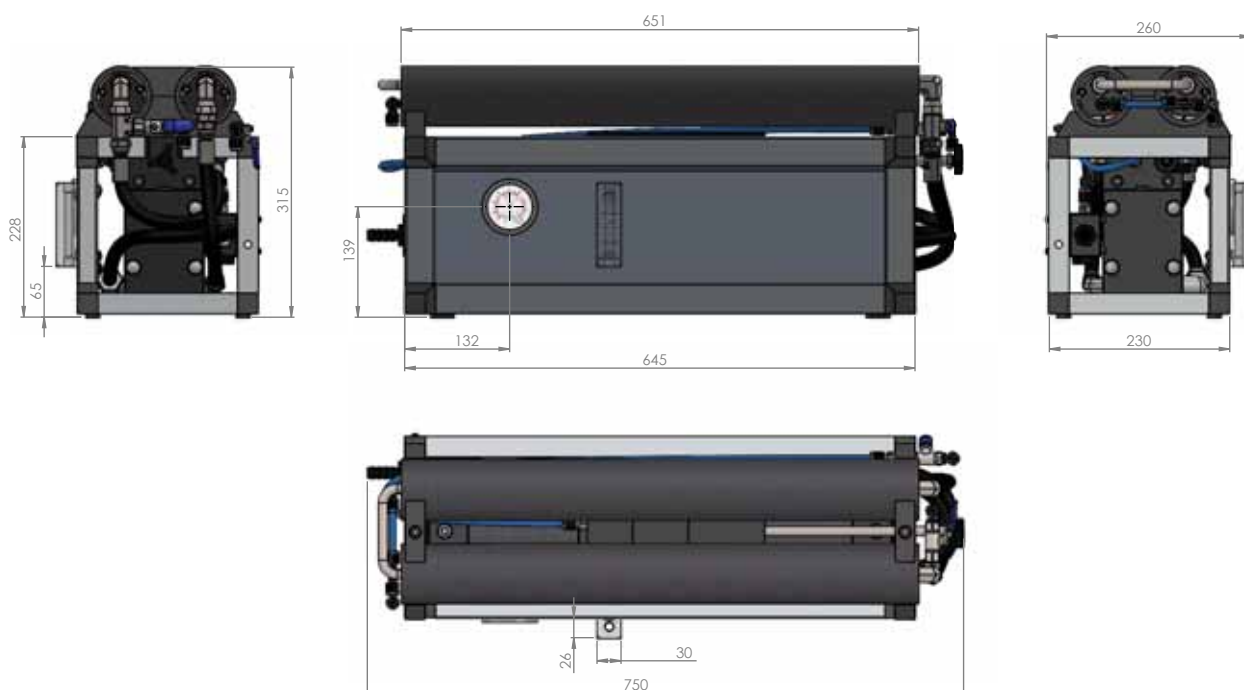
30/40 FEET
SAILBOAT



25/35 FEET
CATAMARAN



25/35 FEET
POWERBOAT



MODULAR

60 lit/h
Gal/h 15.8



Power Supply 12 / 24 VDC or AC

Consumption 240 Watt

Weight 83.8 lbs

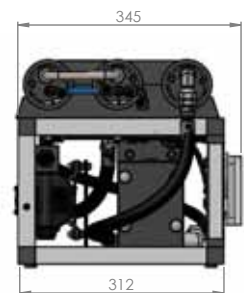
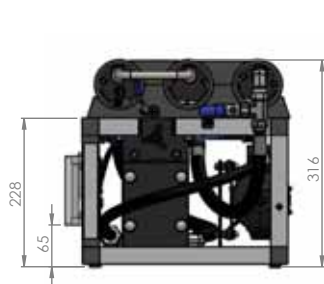
Membranes n°3 2,5" x 21"

4/6
PERSONS

35/45 FEET
SAILBOAT

30/40 FEET
CATAMARAN

30/40 FEET
POWERBOAT



MODULAR

100 lit/h
Gal/h 26.4



Power Supply 12/24/48 VDC or AC

Consumption 400 Watt

Weight 127.9 lbs

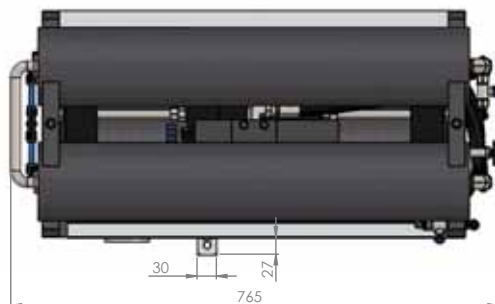
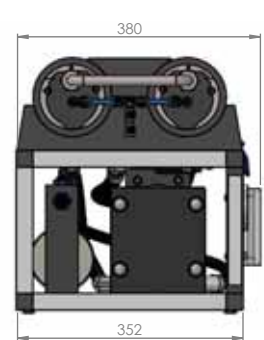
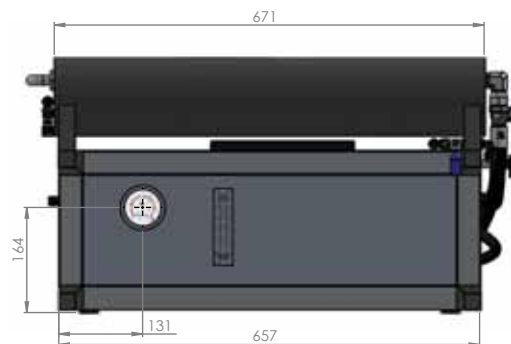
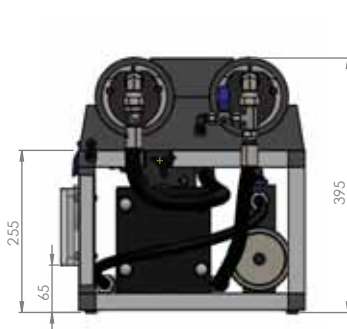
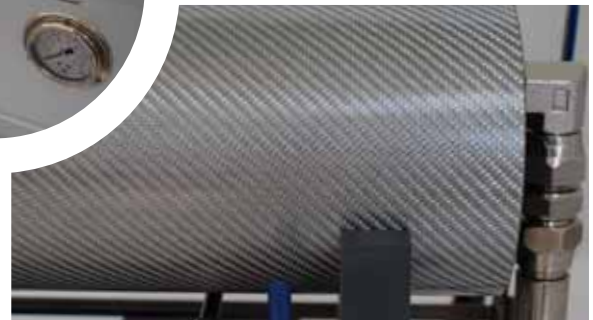
Membranes n°2 4" x 21"

6/8
PERSONS

45/55 FEET
SAILBOAT

35/45 FEET
CATAMARAN

35/45 FEET
POWERBOAT



MODULAR

150 lit/h
Gal/h 39.6



Power Supply 24/48 VDC or AC

Consumption 600 Watt

Weight 152.1 lbs

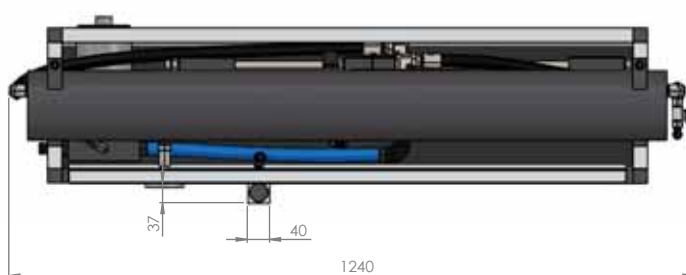
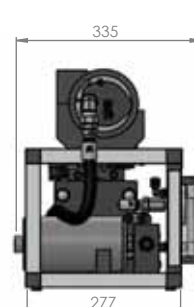
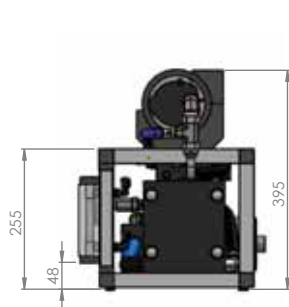
Membranes n°1 4" x 40"

8/10
PERSONS

50/60 FEET
SAILBOAT

40/50 FEET
CATAMARAN





40/50 FEET
POWERBOAT

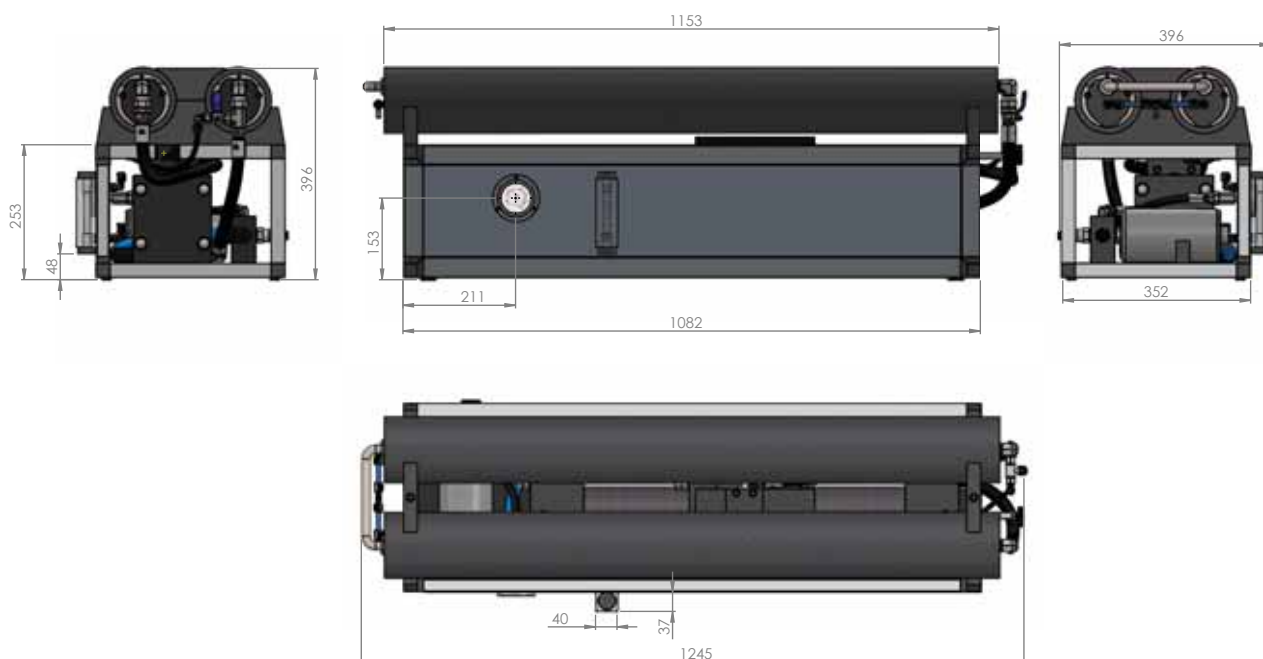


MODULAR

230 lit/h
Gal/h 61



	Power Supply	AC single or three phase
	Consumption	1,5 kW
	Weight	209.4 lbs
	Membranes	n°2 4" x 40"



MODULAR

**300 lit/h
Gal/h 79**

Main pump inside
INVERTER TECHNOLOGY



 Power Supply AC single or three phase

 Consumption 2,5 kW

 Weight 319.7 lbs

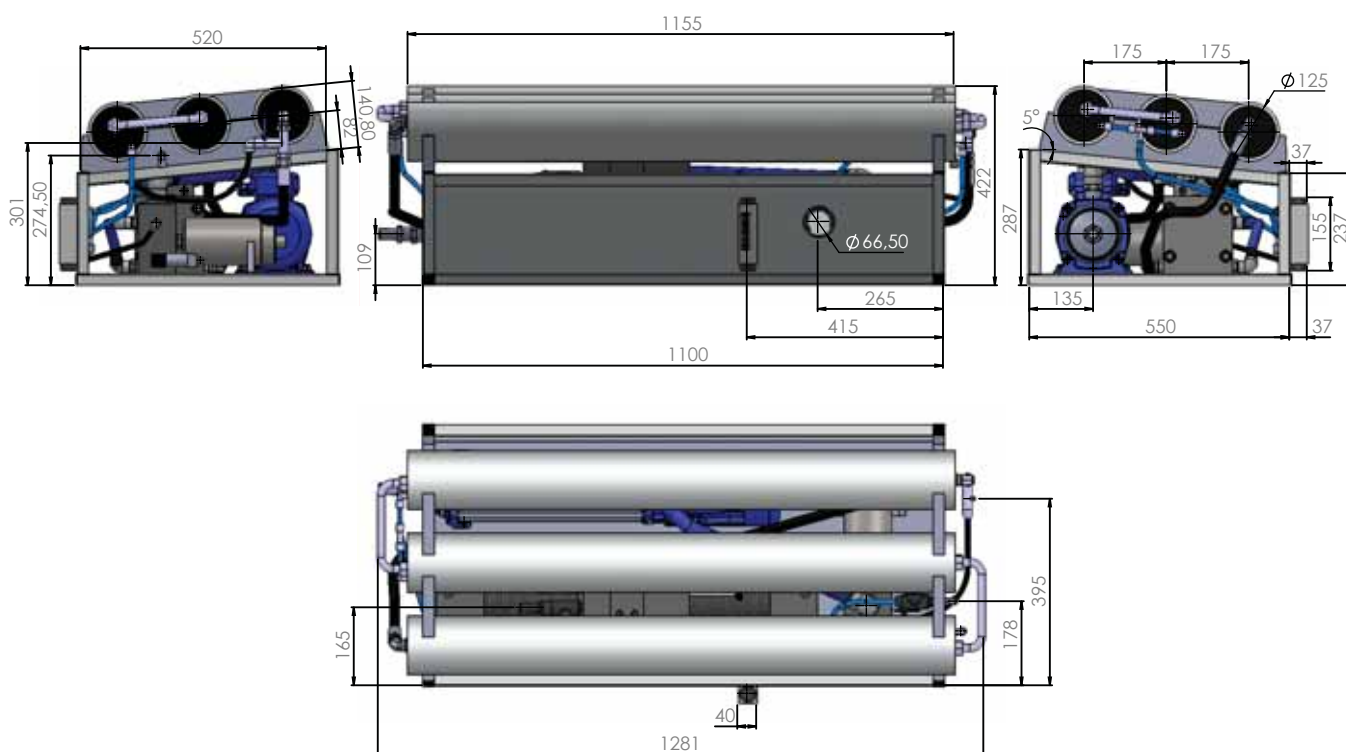
 Membranes n°3 4" x 40"

12/14
PERSONS

60/70 FEET
SAILBOAT

55/65 FEET
CATAMARAN

55/65 FEET
POWERBOAT



MODULAR

**500 lit/h
Gal/h 132**

Main pump inside
INVERTER TECHNOLOGY



 Power Supply AC three phase

 Consumption 3,5 kW

 Weight 396.8 lbs

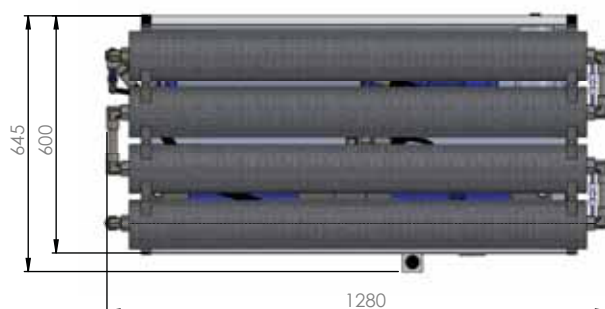
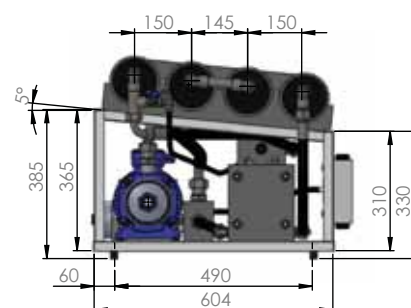
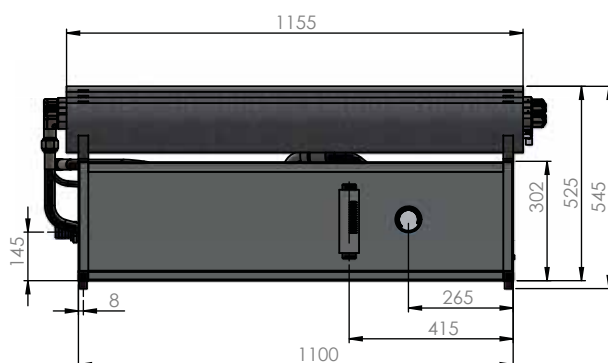
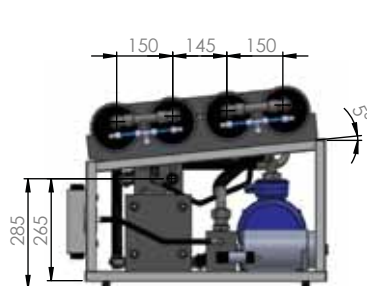
 Membranes n°4 4" x 40"

14/20
PERSONS

70/100 FEET
SAILBOAT

65/80 FEET
CATAMARAN

65/80 FEET
POWERBOAT



Remote panels

BASIC



Functions:

- Start/stop
- Back flush
- Timer

Dimension: 3.9" x 2.6"

Available for:

- Zen 30, 50, 100, 150
- Smart 30, 60, 80, 100
- Modular 35, 60, 100

DIGITAL



Functions:

- Remote Start/Stop
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Hours counter
- Automatic start up
- Assisted maintenance
- Salinity monitoring (optional)
- Control from tank level switches

Dimension: 5.3" x 4.5"

Available for:

- Smart 30, 60, 80, 100
- Modular 35, 60, 100, 150, 230, 300, 500

TOUCH



Functions:

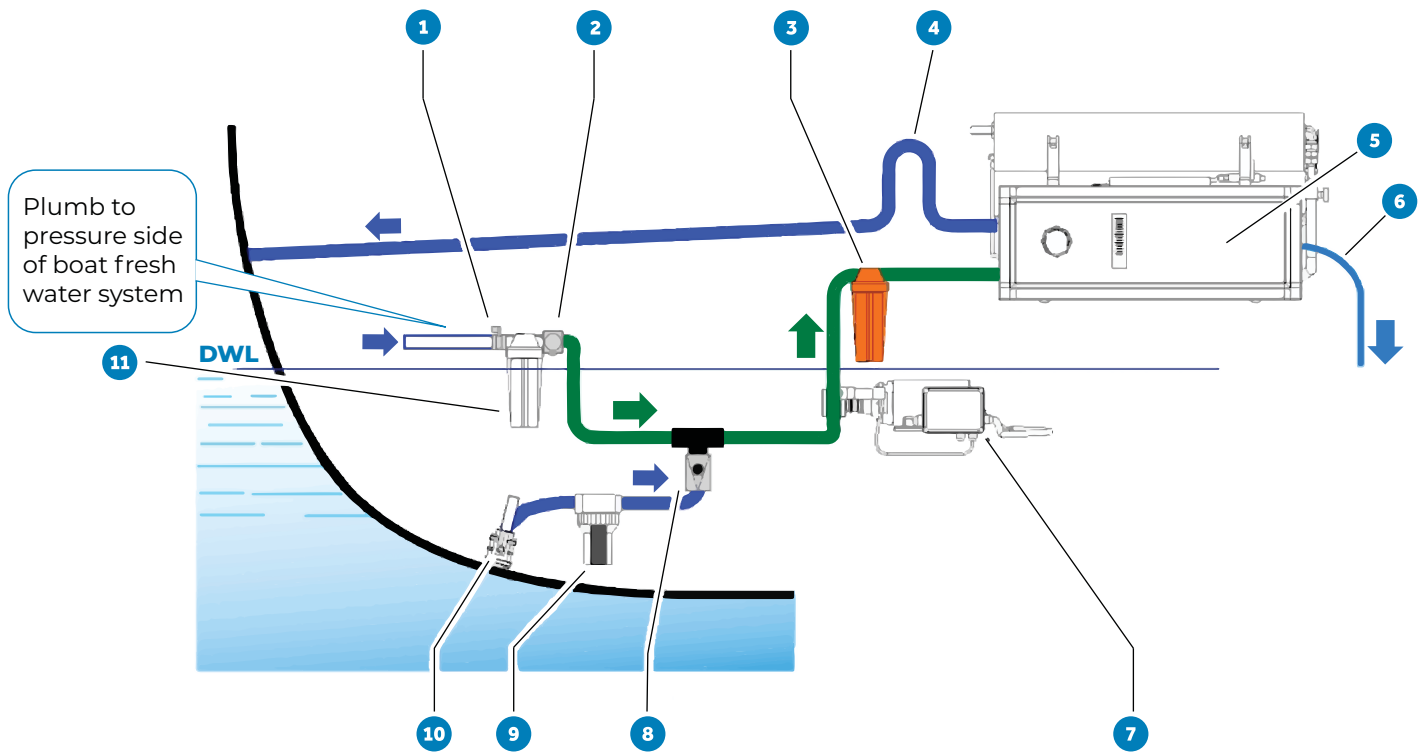
- Remote Start/Stop
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Hours counter
- Automatic start up
- Assisted maintenance
- Salinity monitoring (optional)
- Flow meter (optional)
- Pressure meter (optional)
- Control from tank level switches

Dimension: 4.7" x 3.2"

Available for:

- Zen 100, 150
- Zen twin 200, 300
- Smart 30, 60, 80, 100
- Modular 35, 60, 100, 150, 230, 300, 500

Typical installation

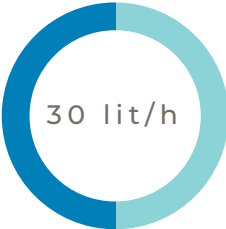


LEGEND

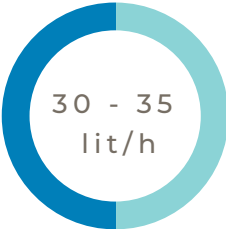
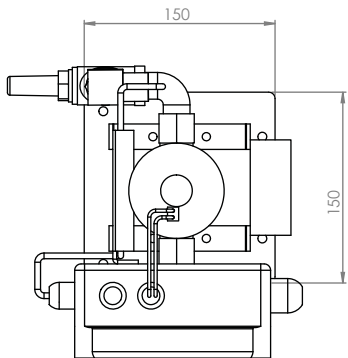
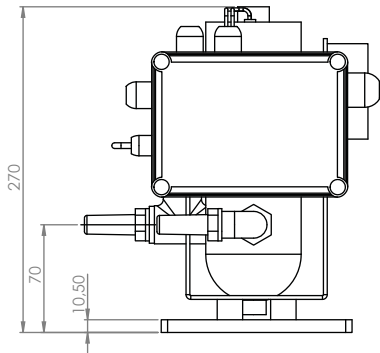
- | | |
|----------------------------|--------------------------------|
| 1 Fresh water valve | 7 Feed pump |
| 2 Solenoid valve | 8 Check valve |
| 3 5 micron filter | 9 Sea strainer |
| 4 Siphon breaker | 10 Intake |
| 5 Watermaker | 11 Active carbon filter |
| 6 Production output | |

Feed pumps

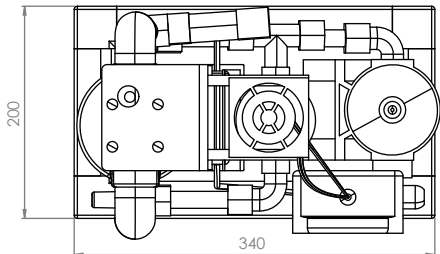
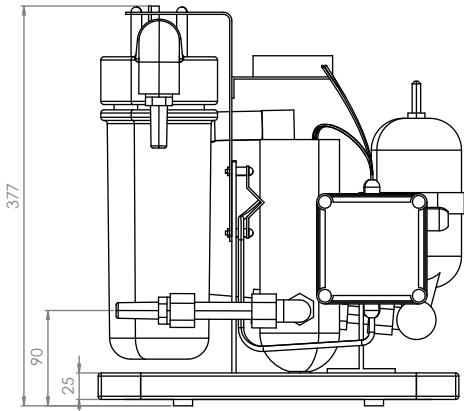
All watermakers in the 30-150 litres per hour range are fitted with a single feed pump.
A choice of pump configurations offers flexible options when space is limited.

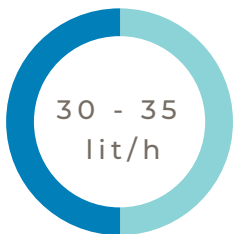


AVAILABLE FOR zen 30



AVAILABLE FOR smart 30 | modular 35

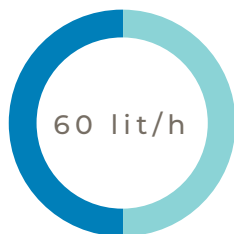
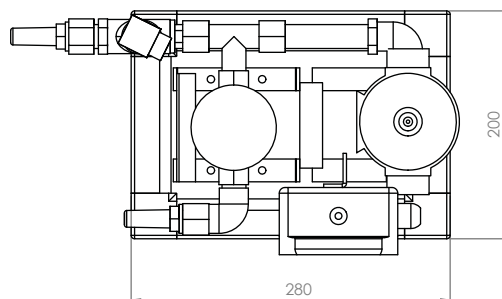
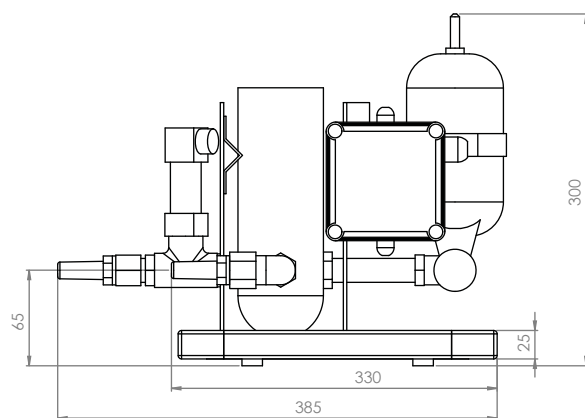




30 - 35
lit/h

AVAILABLE FOR

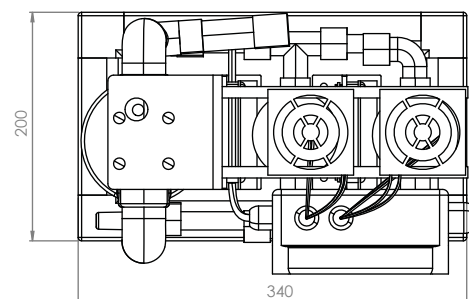
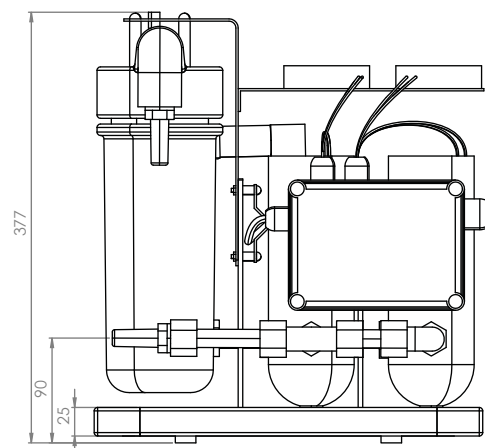
smart 30 | modular 35
with external filter



60 lit/h

AVAILABLE FOR

smart 60 | modular 60

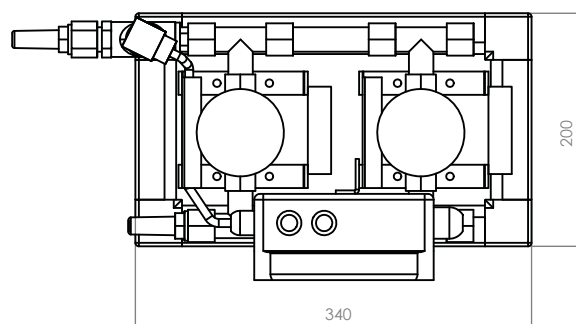
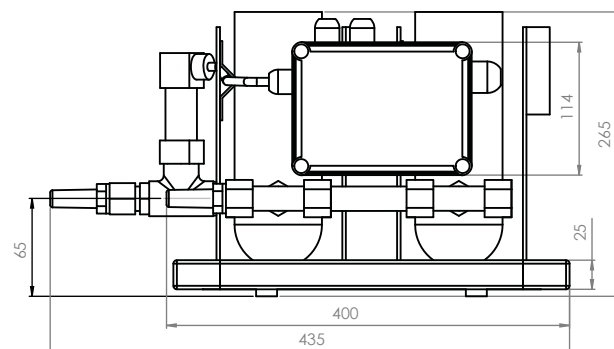


50 - 60
lit/h

AVAILABLE FOR

zen 50 | smart 60 | modular 60

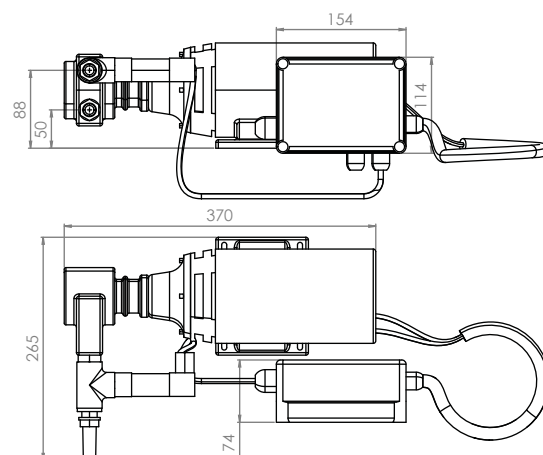
with external filter

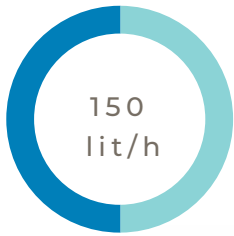


80 - 100
lit/h

AVAILABLE FOR

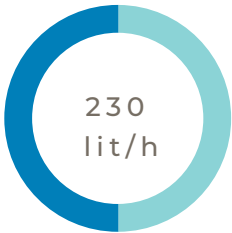
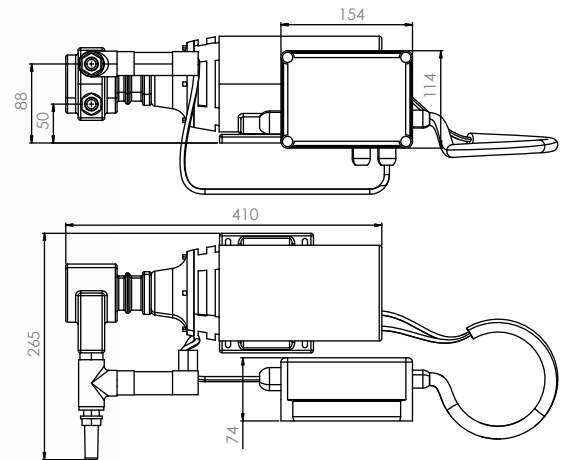
zen 100 | twin 200 | smart 80 | smart 100 | modular 100





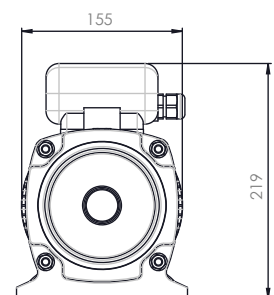
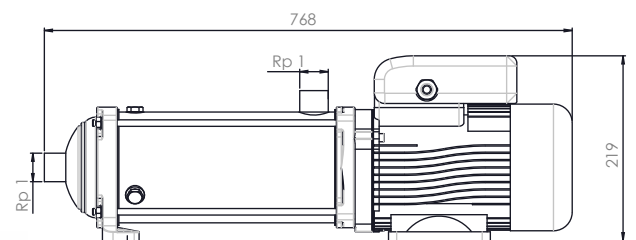
AVAILABLE FOR

zen 150 | twin 300 | modular 150

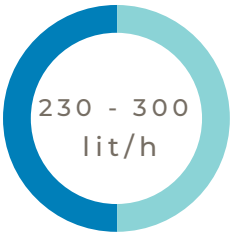


AVAILABLE FOR

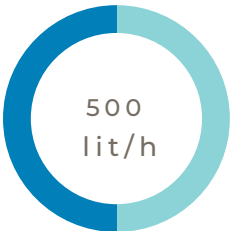
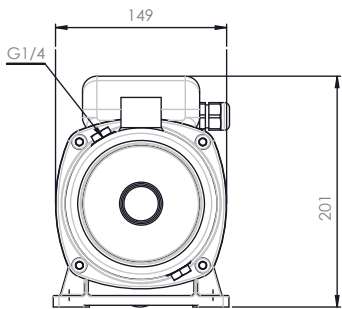
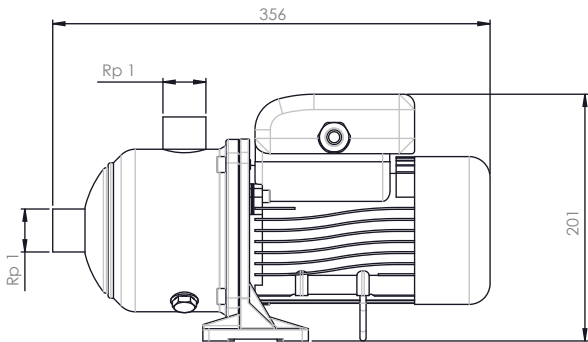
modular 230



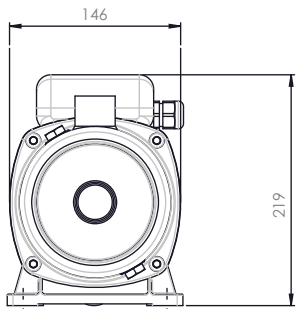
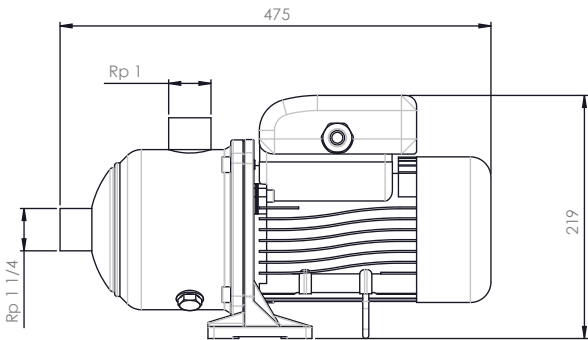
Pre pumps



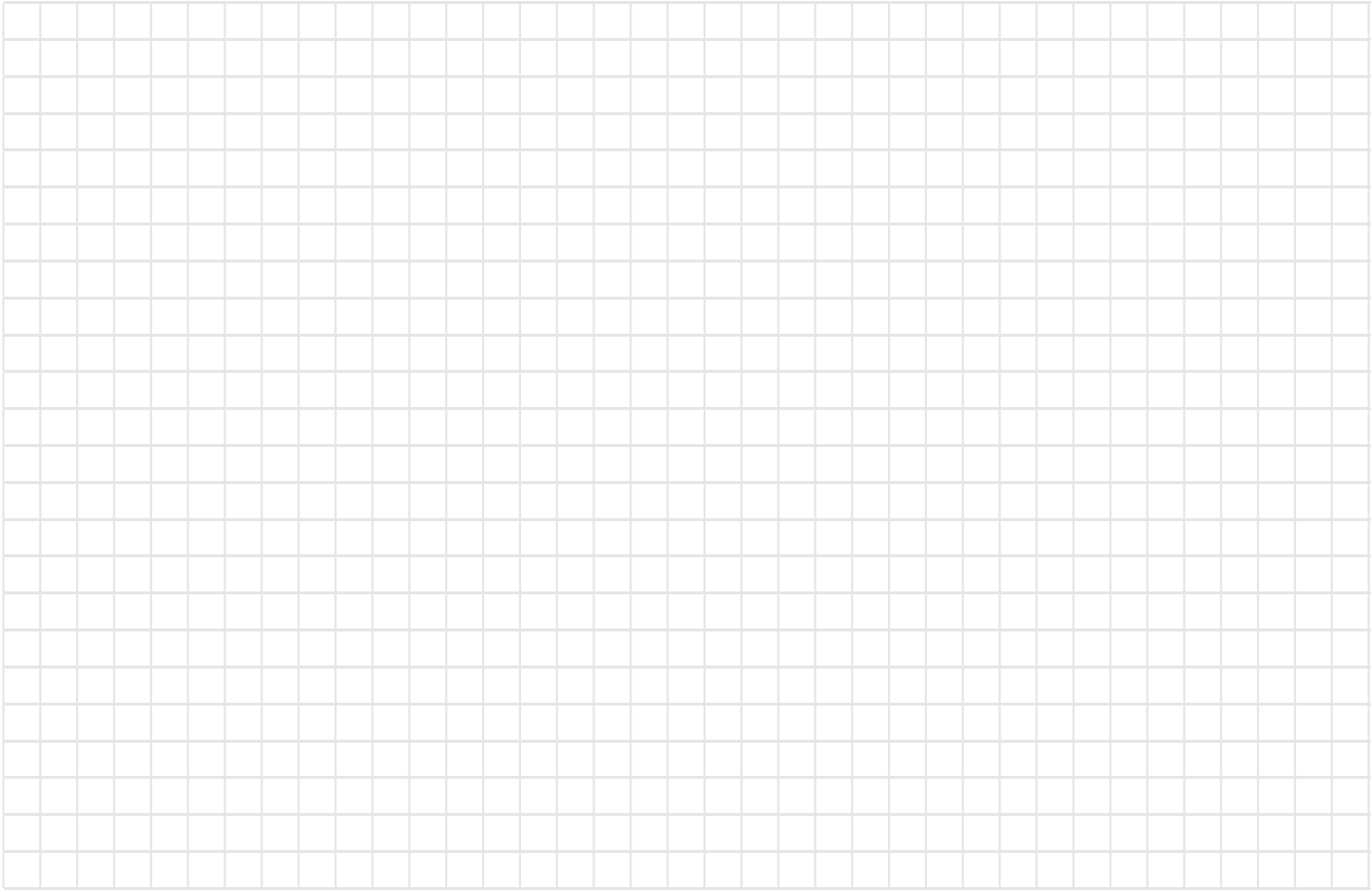
AVAILABLE FOR modular 230 | modular 300



AVAILABLE FOR modular 500



notes



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