

Schenker[®]
WATERMAKERS

Designed to be
different.



www.schenkerwatermakers.com



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 fresh water.

80% LESS POWER CONSUMPTION

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

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

ECO SUSTAINABILITY

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

AUTOMATIC MEMBRANE FLUSHING

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

REDUCING WASTE

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

QUIET OPERATION

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

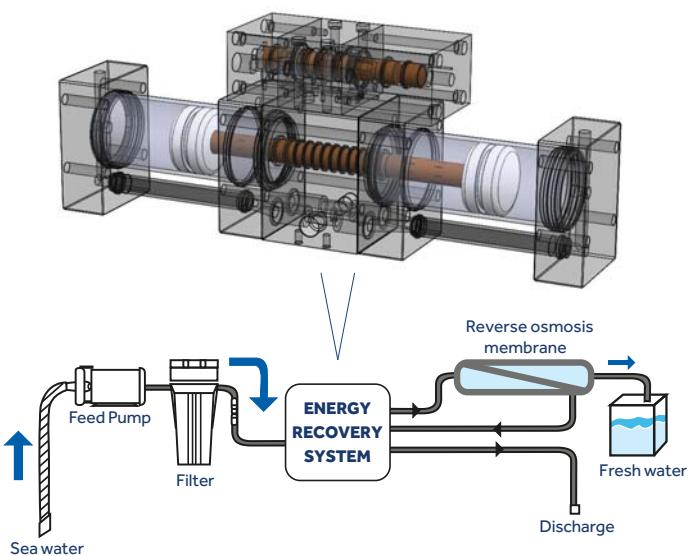
CORROSION FREE MATERIALS

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 fresh water produced.

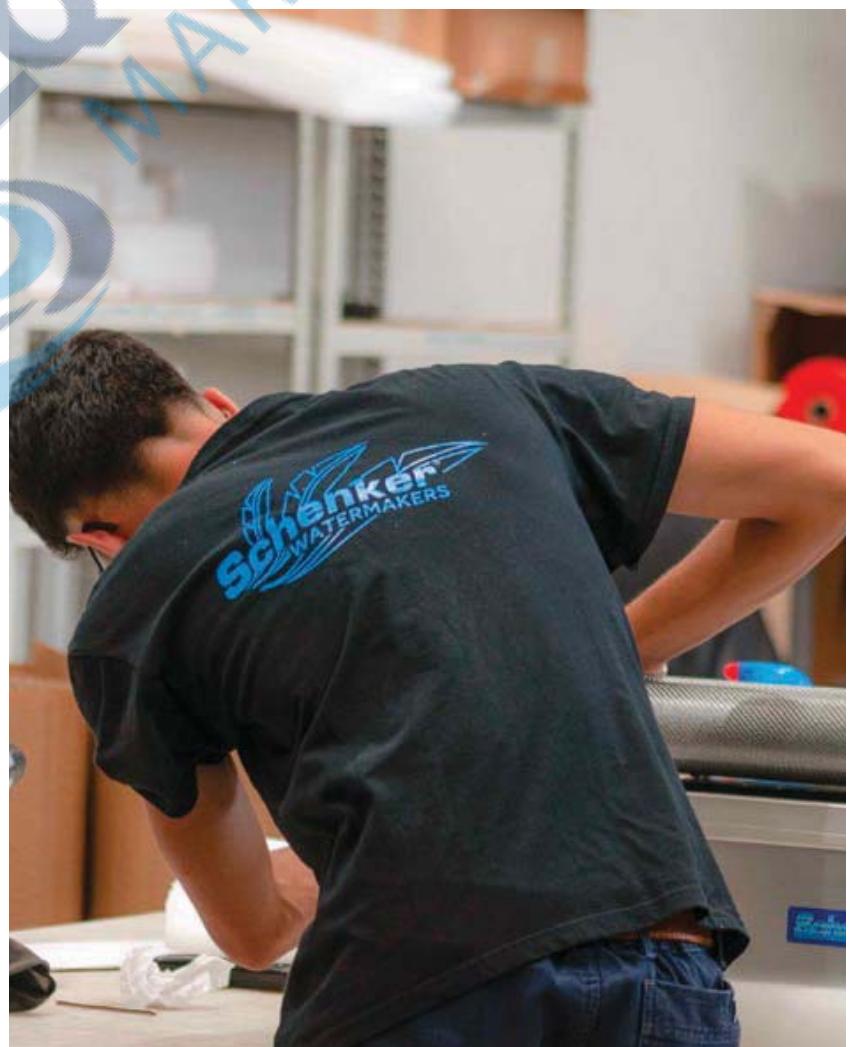


Designed to be

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 two-year warranty is backed up by our international network of sales and service representatives.



different.



Which model of new generation Schenker watermakers should I choose?

Schenker watermakers are available in five models types:

Zen, Qube, Wiki, 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, Qube, Smart and Modular units can be supplied with a choice of either the Basic 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

Our watermakers



Super-compact watermakers with a contemporary and essential design. Qube is equipped with an extremely quiet and reliable brushless electric motor.

RANGE
65 - 100 litres/hour



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

RANGE
30 - 60 - 80 - 100 litres/hour

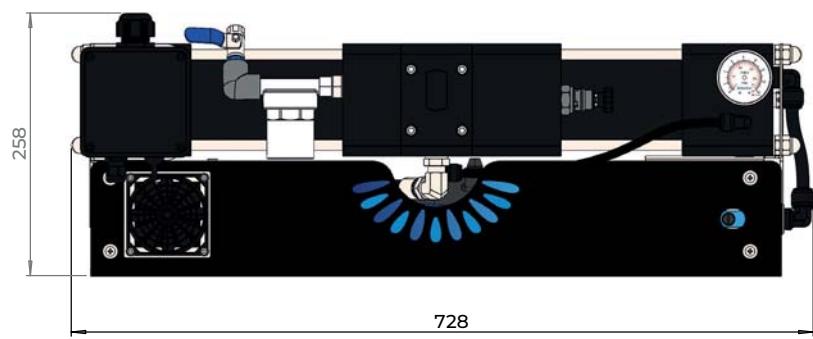
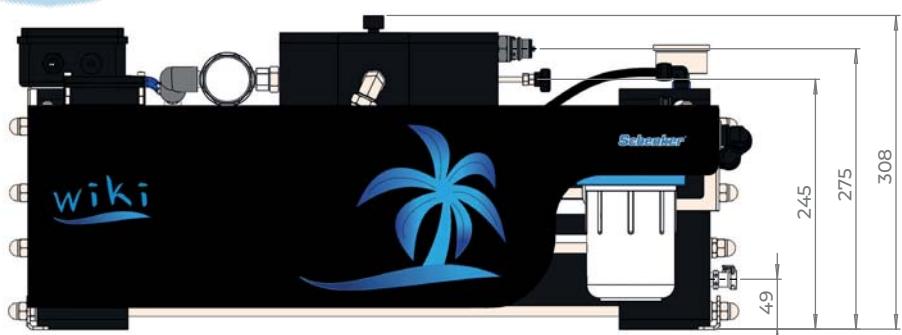
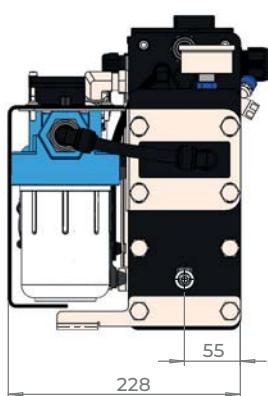


A very compact unit. Choice of output range to satisfy all needs.

RANGE
60 - 100 - 150
230 - 300 - 500 litres/hour

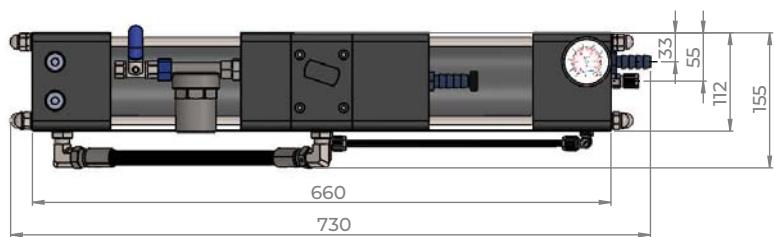
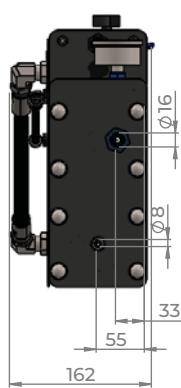


	Power Supply	12 / 24 V
	Consumption	110 Watt
	Weight	26 Kg
	Membranes	n° 1 2,5" x 21"



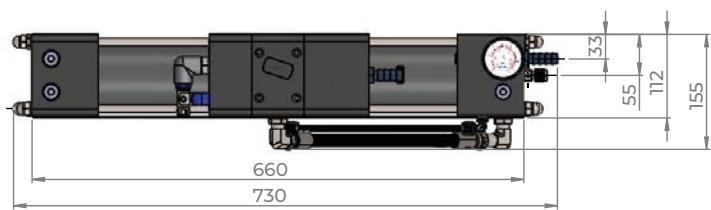
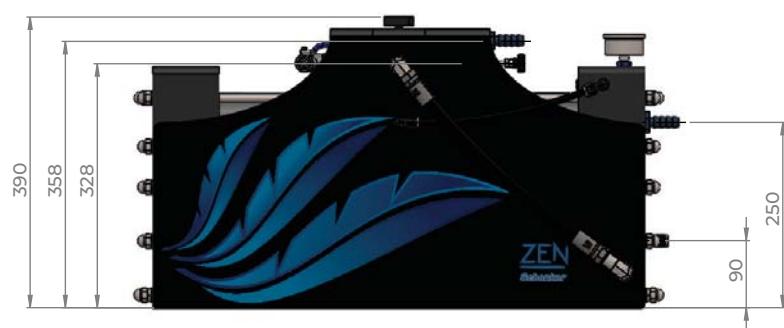
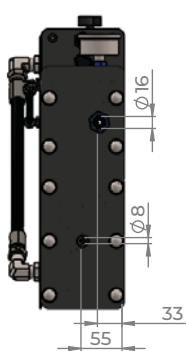


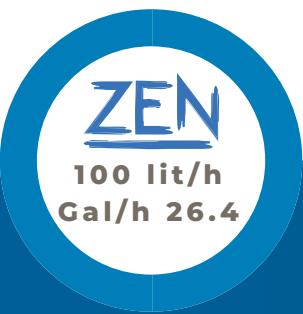
	Power Supply	12 / 24 V
	Consumption	110 Watt
	Weight	22 Kg
	Membranes	n° 1 2,5" x 21"



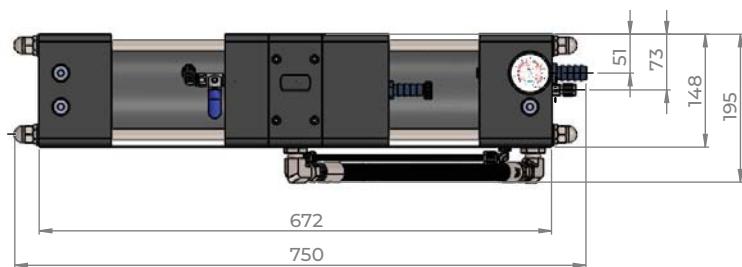
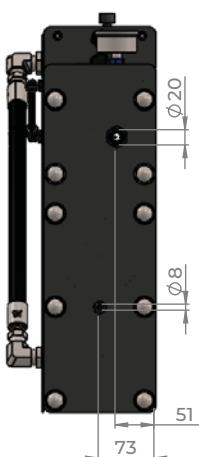


	Power Supply	12 / 24 V
	Consumption	240 Watt
	Weight	31 Kg
	Membranes	n°2 2,5" x 21"



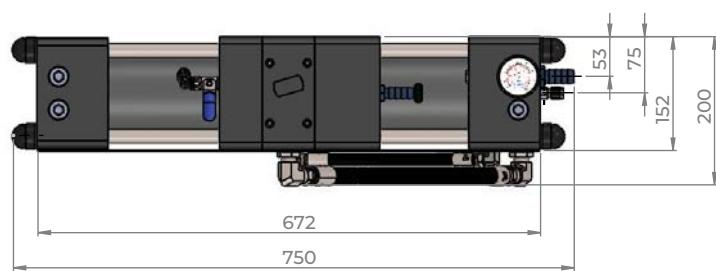
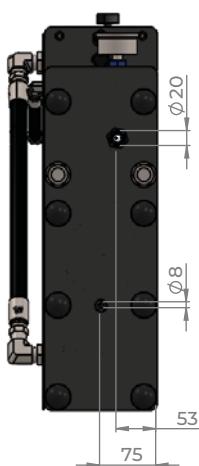
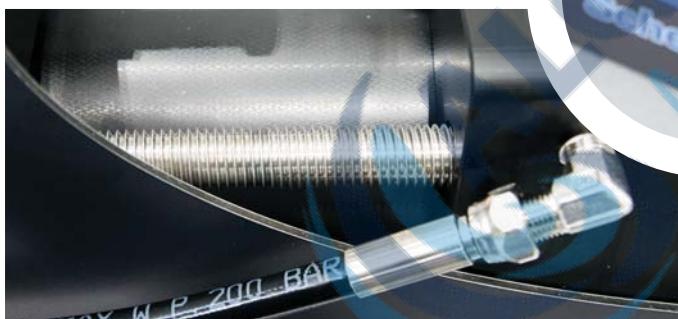
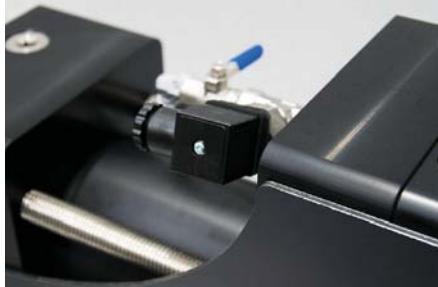


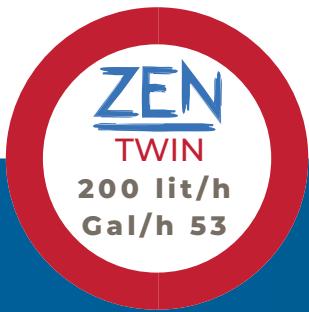
	Power Supply	12/24/48 VDC or AC
	Consumption	400 Watt
	Weight	53 Kg
	Membranes	n°2 4" x 21"



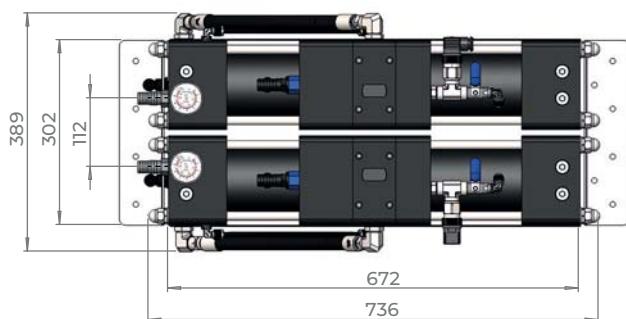
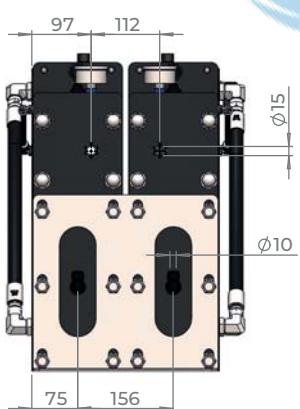


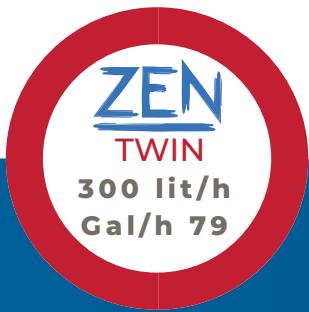
	Power Supply	24/48 VDC or AC
	Consumption	600 Watt
	Weight	62 Kg
	Membranes	n°2 4" x 21"



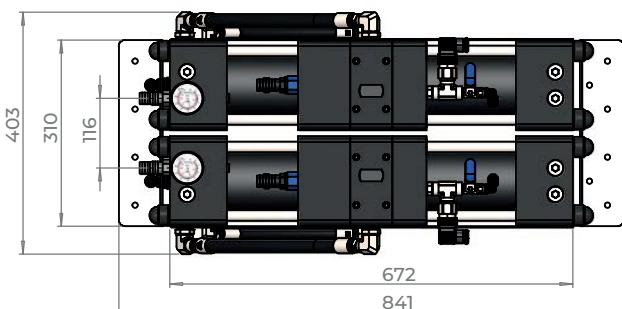
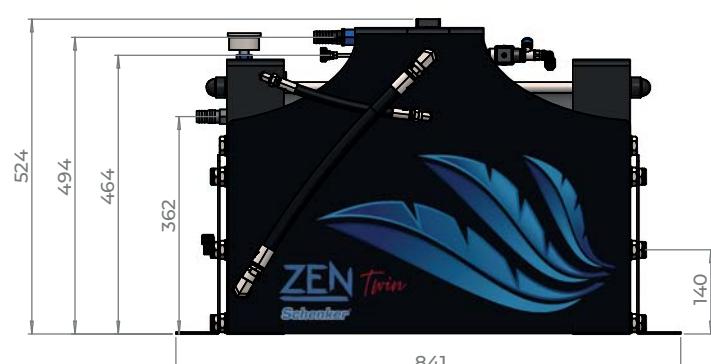
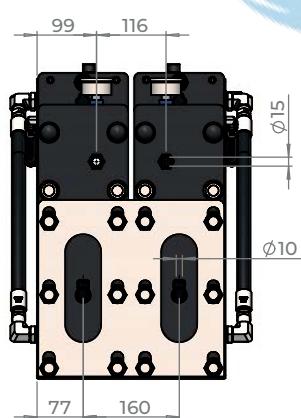
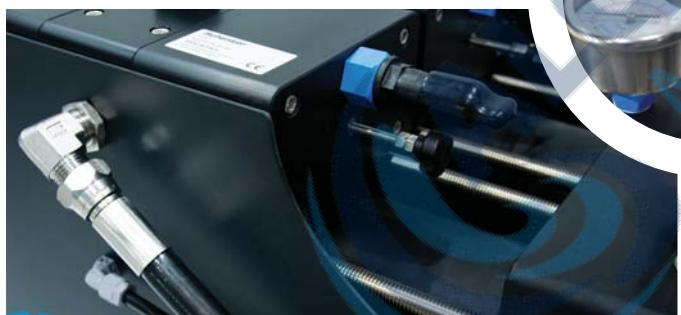


	Power Supply	12/24/48 VDC or AC
	Consumption	800 Watt
	Weight	102 Kg
	Membranes	n°4 4" x 21"





	Power Supply	24/48 VDC or AC
	Consumption	1,2 kWatt
	Weight	120 Kg
	Membranes	n°4 4" x 21"



QUBE

65 lit/h
Gal/h 17.7



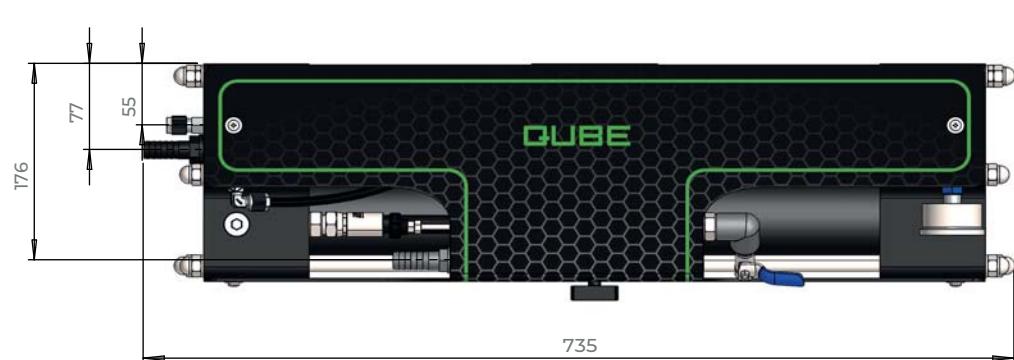
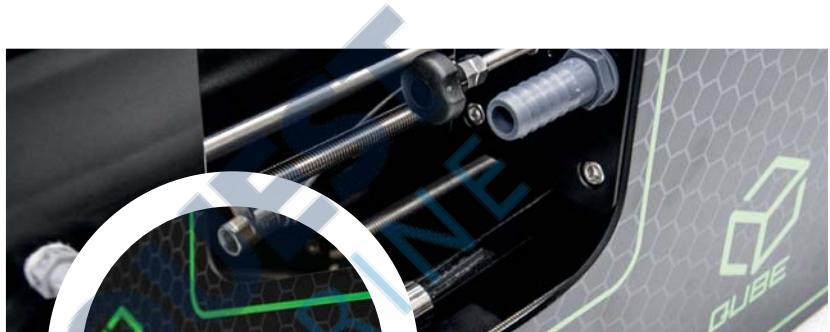
	Power Supply	12/24 VDC
	Consumption	300 Watt
	Weight	31 Kg
	Membranes	n° 2 2,5" x 21"

5/6
PERSONS

40/50 FEET
SAILBOAT

35/45 FEET
CATAMARAN

35/45 FEET
POWERBOAT

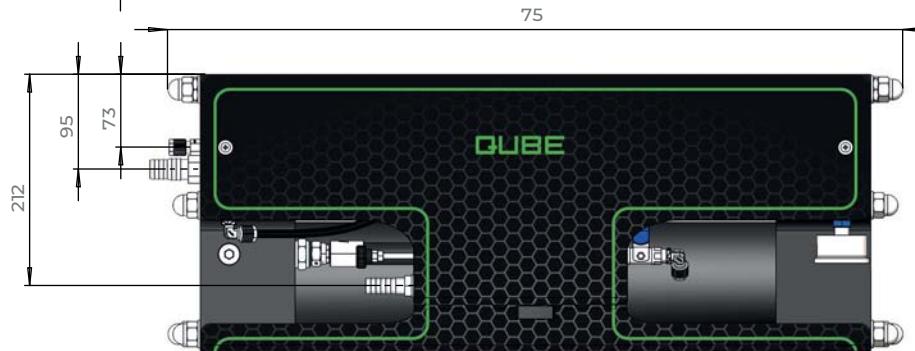
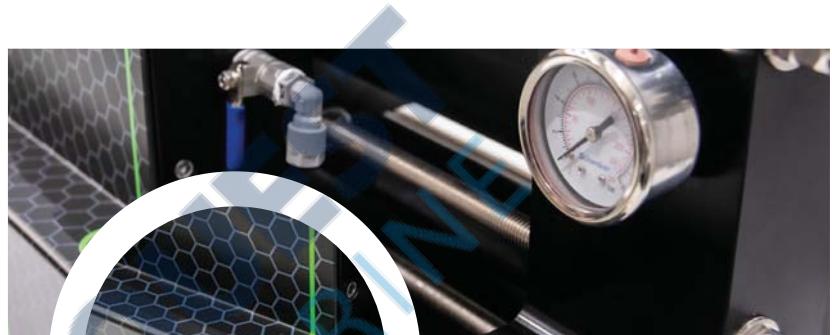


QUBE

100 lit/h
Gal/h 26.4



	Power Supply	12/24 VDC or AC
	Consumption	400 Watt
	Weight	50 Kg
	Membranes	n°2 40" x 21"



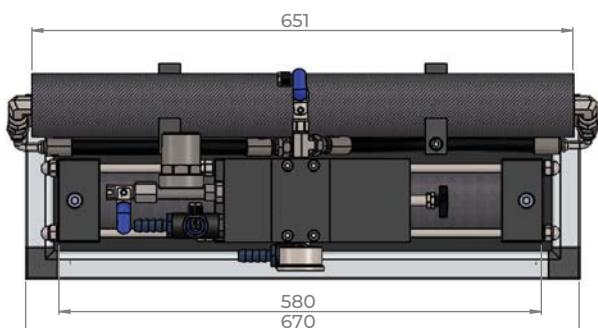
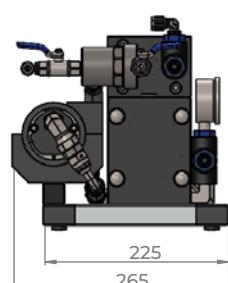
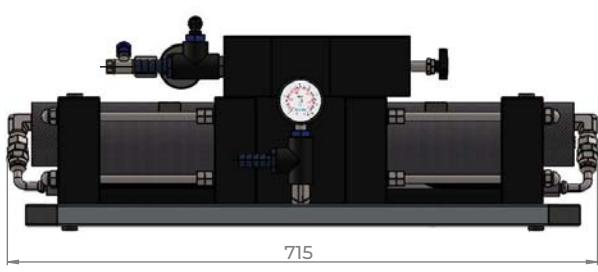
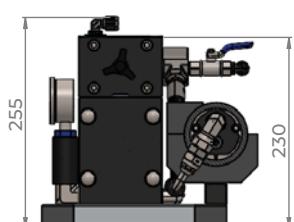
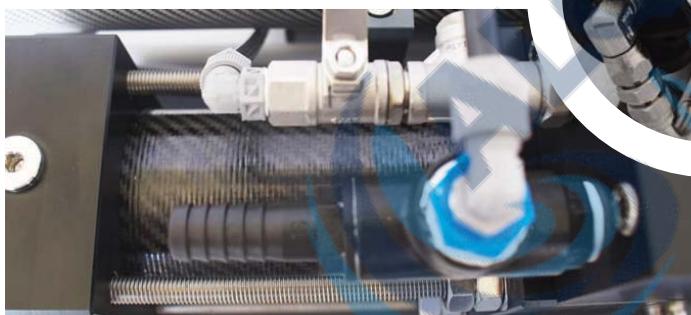


smart

30 lit/h
Gal/h 7.9



	Power Supply	12 / 24 VDC
	Consumption	110 Watt
	Weight	25 Kg
	Membranes	n°1 2,5" x 21"



smart

**60 lit/h
Gal/h 15.8**



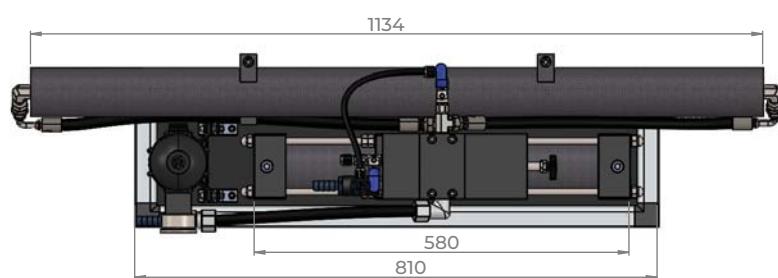
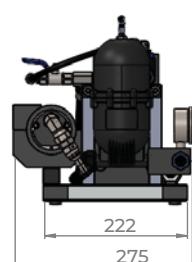
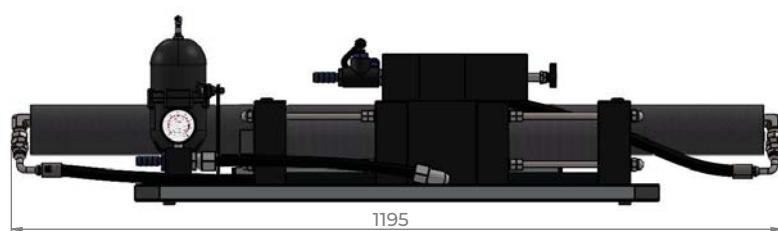
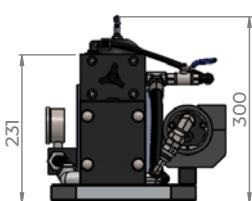
	Power Supply	12 / 24 VDC or AC
	Consumption	240 Watt
	Weight	31 Kg
	Membranes	n°1 2,5" x 40"

4/6 PERSONS

**35/45 FEET
SAILBOAT**

**30/40 FEET
CATAMARAN**

**30/40 FEET
POWERBOAT**



smart

**80 lit/h
Gal/h 21**



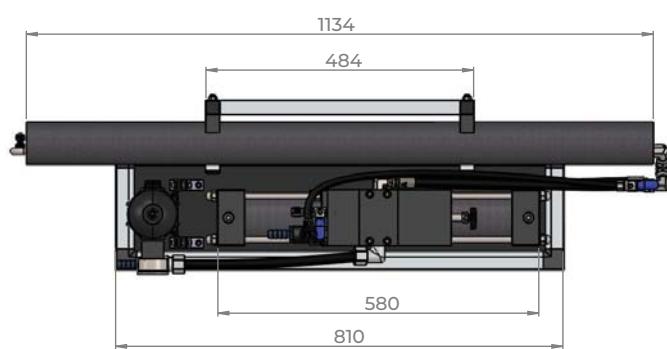
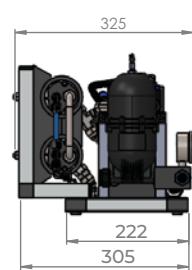
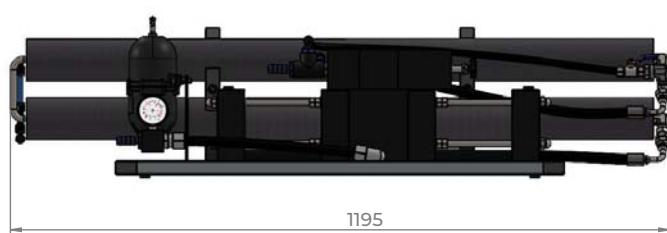
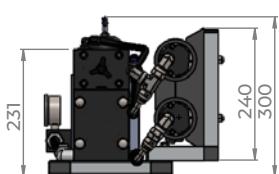
	Power Supply	12 / 24 VDC or AC
	Consumption	380 Watt
	Weight	35 Kg
	Membranes	n°2 2,5" x 40"

**6/7
PERSONS**

**40/50 FEET
SAILBOAT**

**35/45 FEET
CATAMARAN**

**35/45 FEET
POWERBOAT**

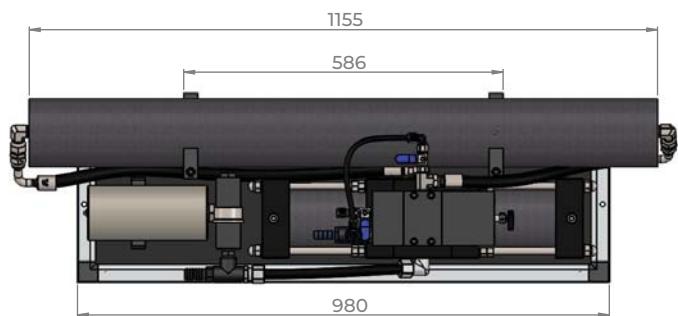
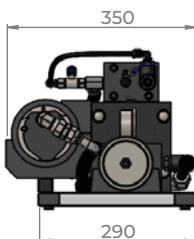
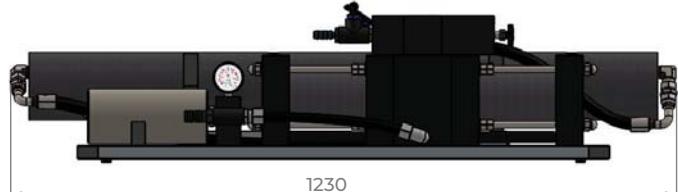
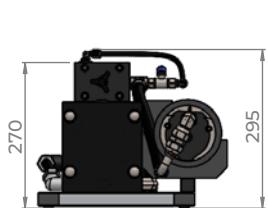


smart

**100 lit/h
Gal/h 26.4**



	Power Supply	12/24/48 VDC or AC
	Consumption	400 Watt
	Weight	48 Kg
	Membranes	nº1 4" x 40"

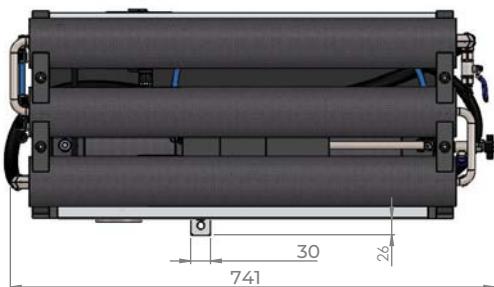
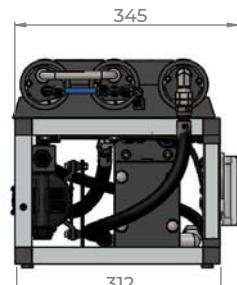
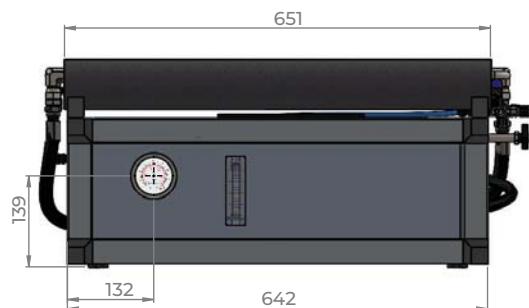
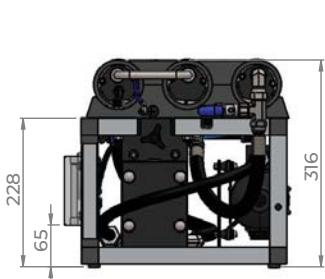
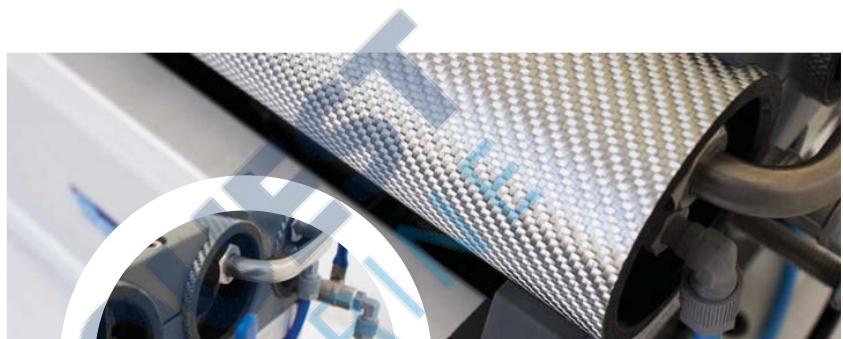


MODULAR

60 lit/h
Gal/h 15.8



	Power Supply	12 / 24 VDC or AC
	Consumption	240 Watt
	Weight	38 Kg
	Membranes	n°3 2,5" x 21"



MODULAR

100 lit/h
Gal/h 26.4



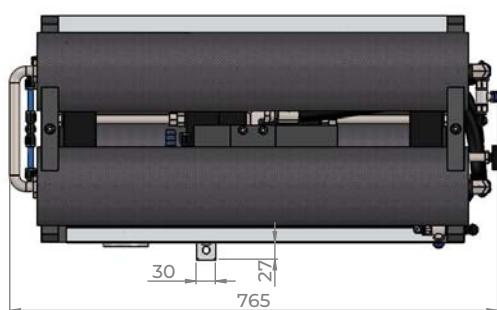
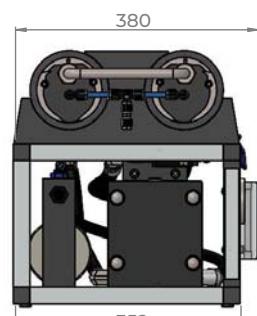
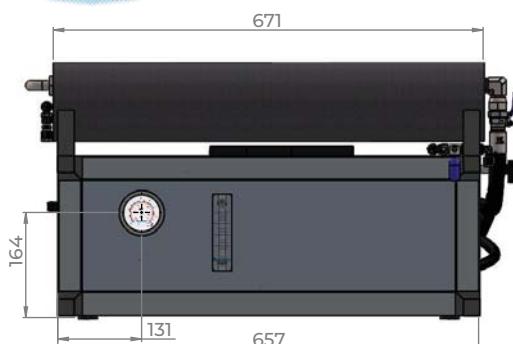
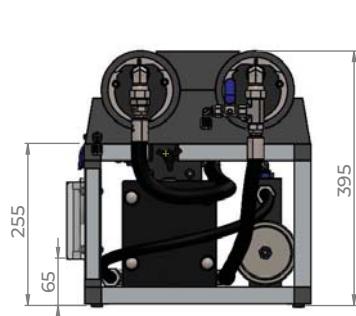
	Power Supply	12/24/48 VDC or AC
	Consumption	400 Watt
	Weight	58 Kg
	Membranes	n°2 4" x 21"

6/8 PERSONS

45/55 FEET
SAILBOAT

35/45 FEET
CATAMARAN

35/45 FEET
POWERBOAT

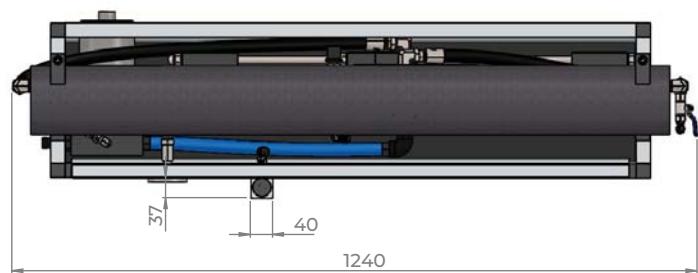
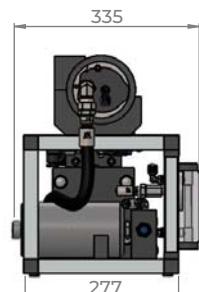
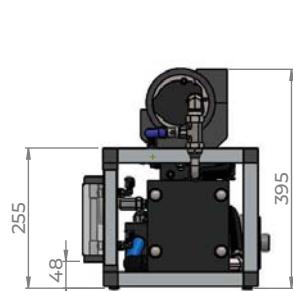
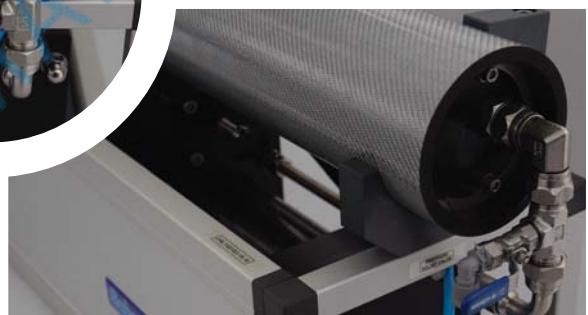


MODULAR

**150 lit/h
Gal/h 39.6**



	Power Supply	24/48 VDC or AC
	Consumption	600 Watt
	Weight	69 Kg
	Membranes	nº1 4" x 40"

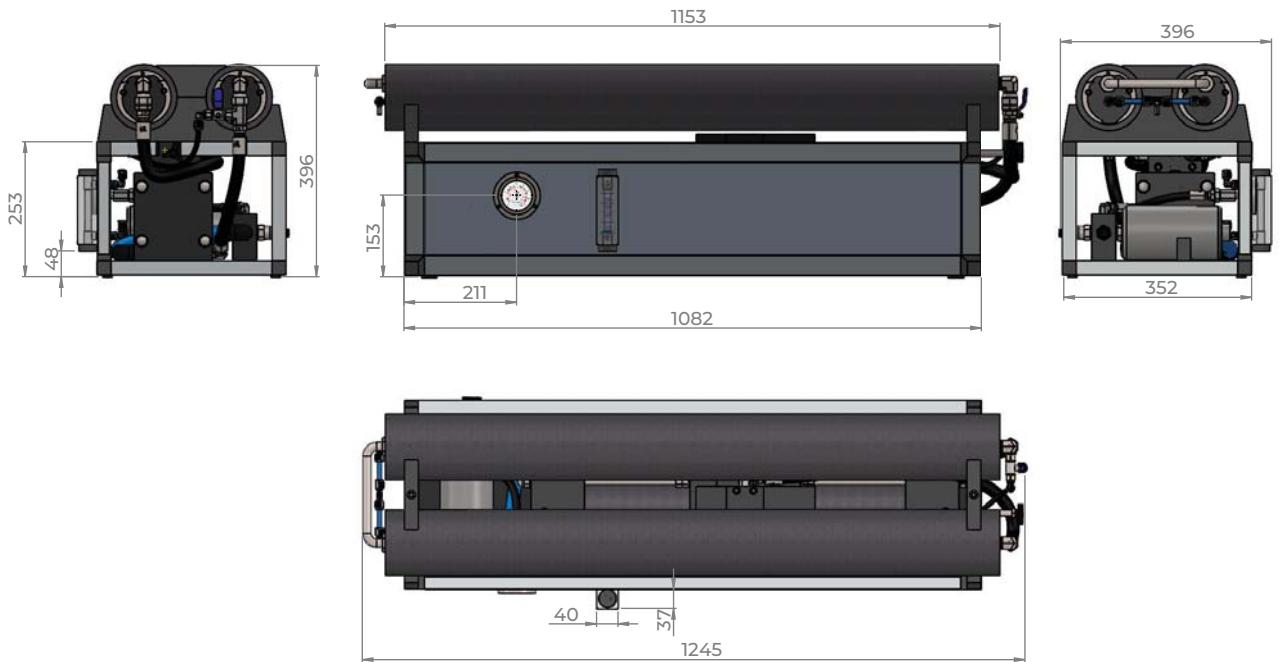
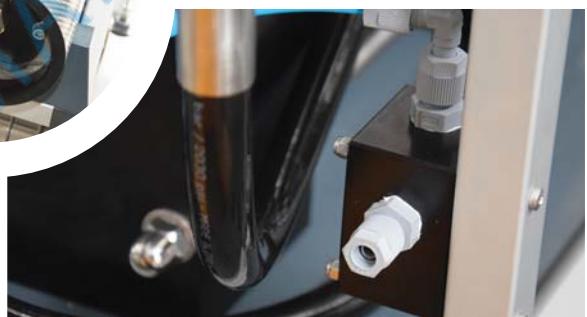


MODULAR

230 lit/h
Gal/h 61



	Power Supply	AC single or three phase
	Consumption	1,5 kW
	Weight	95 Kg
	Membranes	n°2 4" x 40"

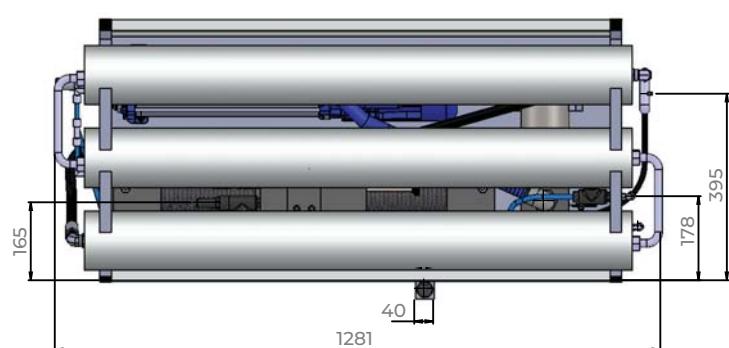
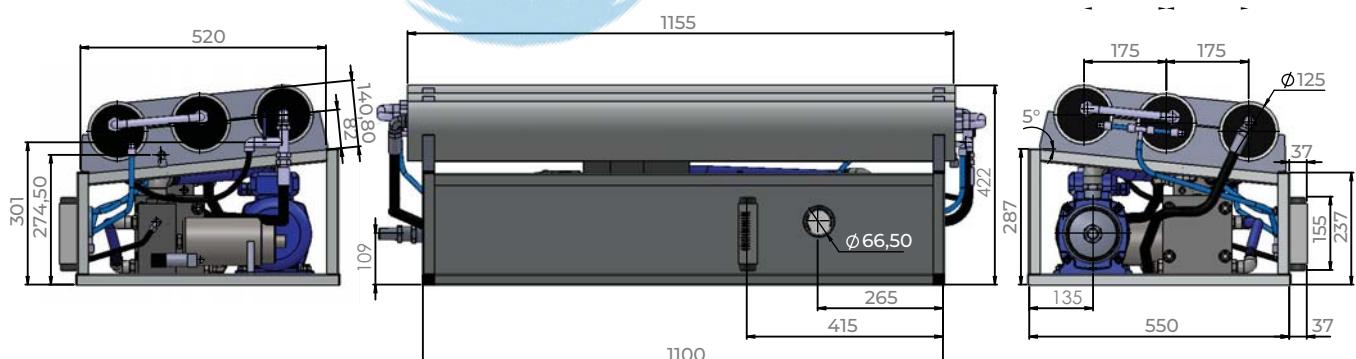


MODULAR
300 lit/h
Gal/h 79

Main pump inside
INVERTER TECHNOLOGY



	Power Supply	AC single or three phase
	Consumption	2,5 kW
	Weight	145 Kg
	Membranes	n°3 4" x 40"

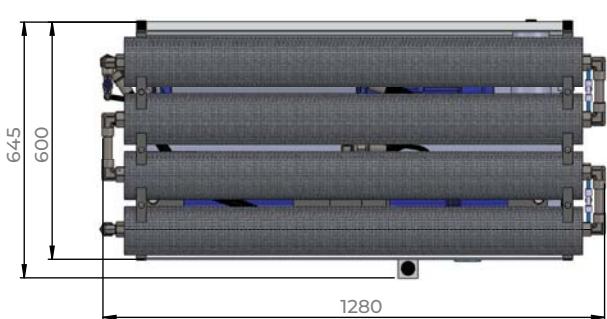
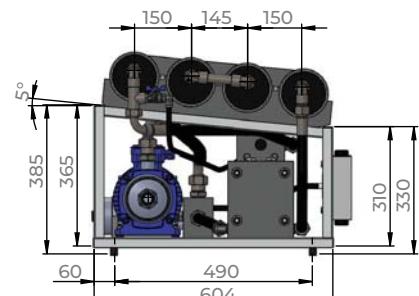
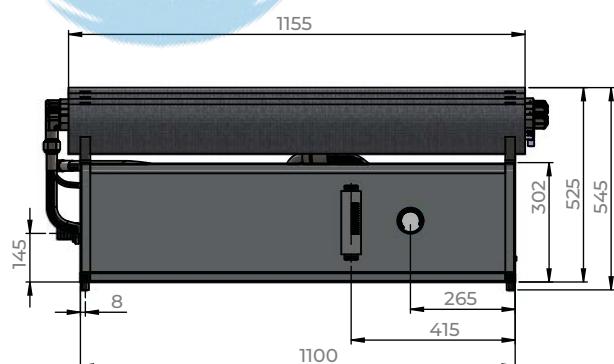
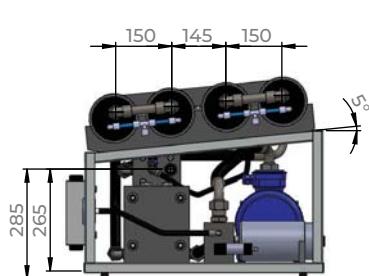


MODULAR
500 lit/h
Gal/h 132

Main pump inside
 INVERTER TECHNOLOGY



	Power Supply	AC three phase
	Consumption	3,5 kW
	Weight	180 Kg
	Membranes	nº4 4" x 40"



Remote panels

BASIC



Functions:

- Start/stop
- Automatic flushing
- Timer
- Automatic start up

Dimension: 100 x 66 mm

Available for:

- Zen 30, 50, 100, 150
- Qube 65, 100
- Smart 30, 60, 80, 100
- Modular 60, 100, 150

MINITOUCH



Functions:

- Start/stop
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Hours counter
- Automatic start up
- Pressure meter

Dimension: 100 x 76 mm

Available for:

- Zen 30, 50, 100, 150
- Qube 65, 100
- Smart 30

TOUCH



Functions:

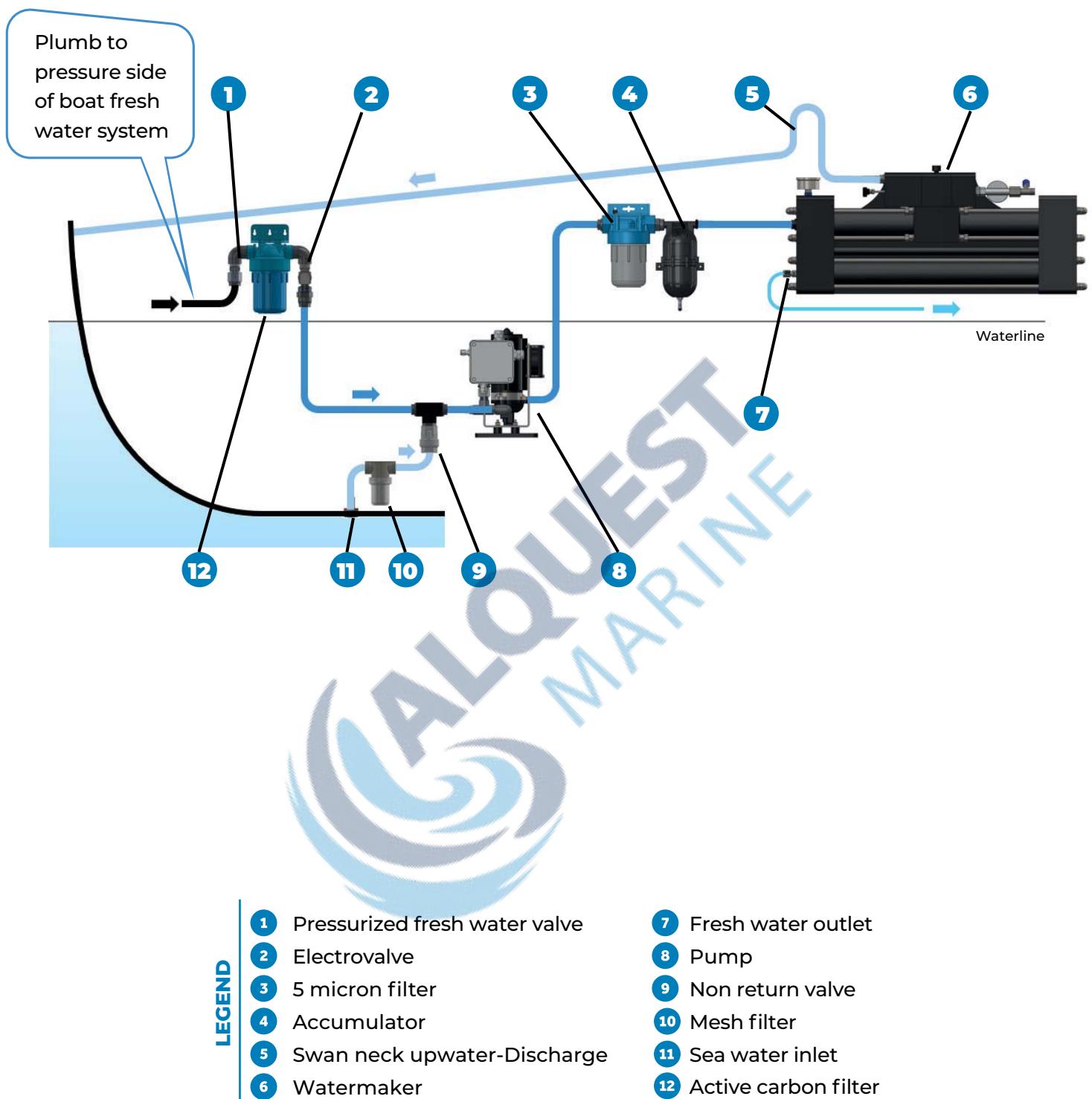
- Start/Stop
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Hours counter
- Automatic start up
- Assisted maintenance
- Salinity monitoring (optional)
- Flow meter (optional)
- Pressure meter (optional)
- Chartplotter interface (optional)
- Control from tank level switches

Dimension: 120 x 80 mm

Available for:

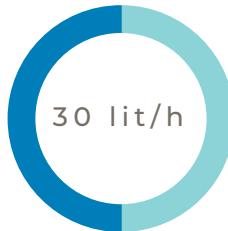
- Zen 100, 150
- Zen twin 200, 300
- Qube 65, 100
- Smart 30, 60, 80, 100
- Modular 60, 100, 150, 230, 300, 500

Typical installation



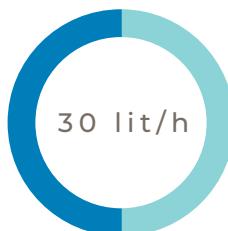
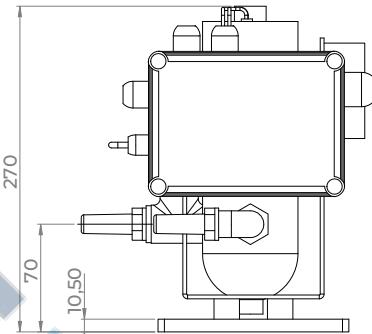
Feed pumps

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.



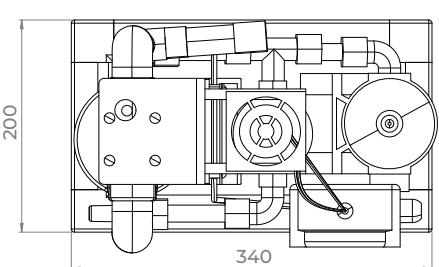
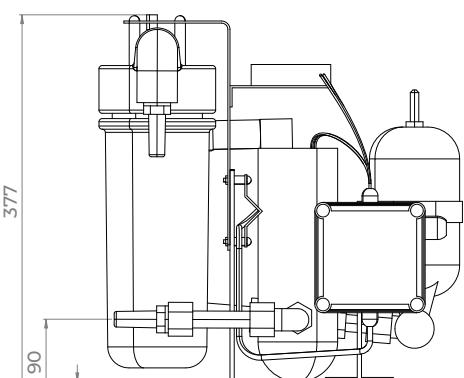
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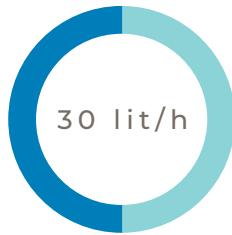
zen 30



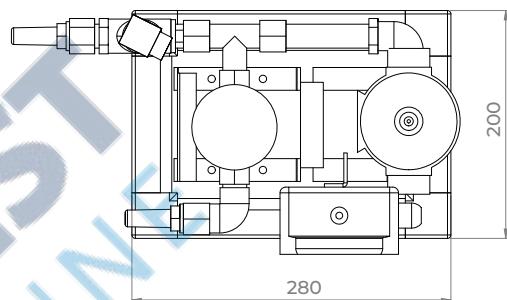
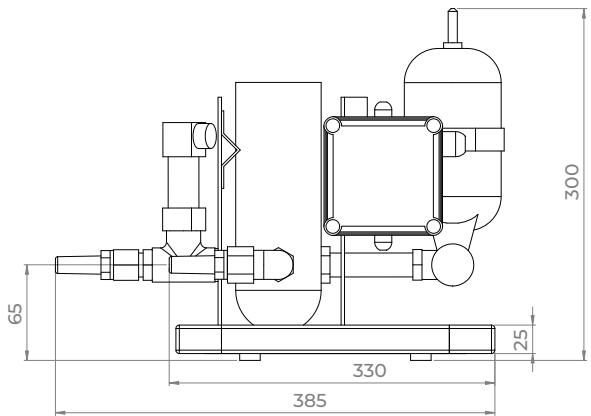
AVAILABLE FOR

smart 30

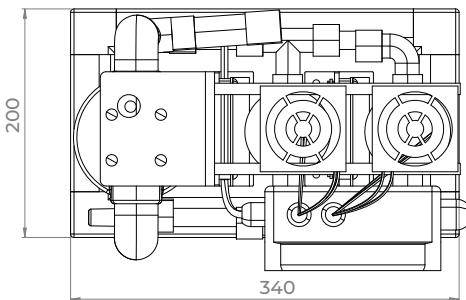
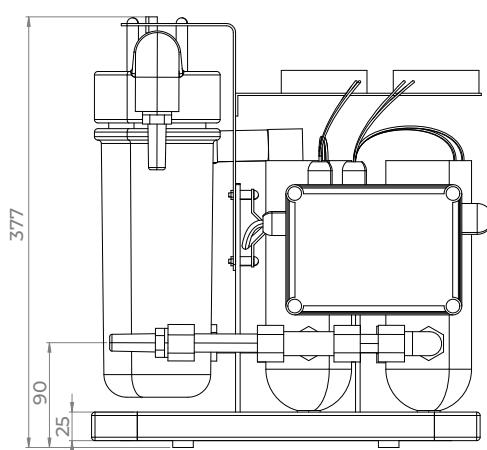


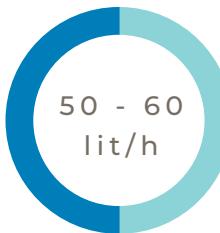


AVAILABLE FOR
smart 30
with external filter



AVAILABLE FOR
smart 60 | modular 60

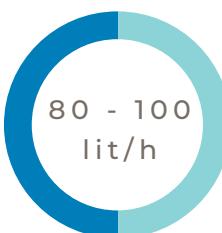
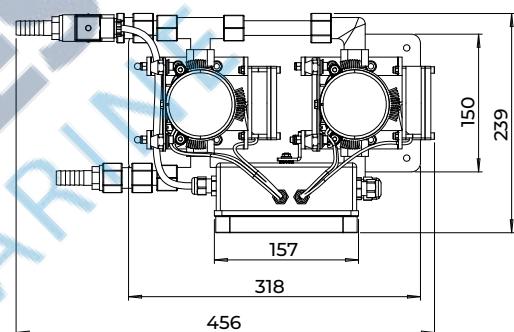
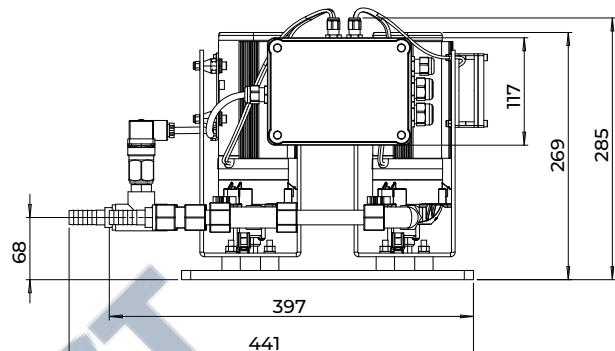




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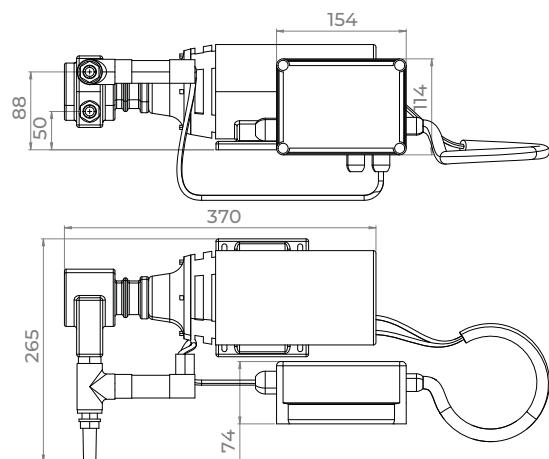
zen 50 | smart 60 | modular 60

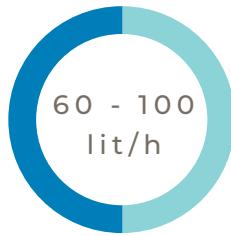
with external filter



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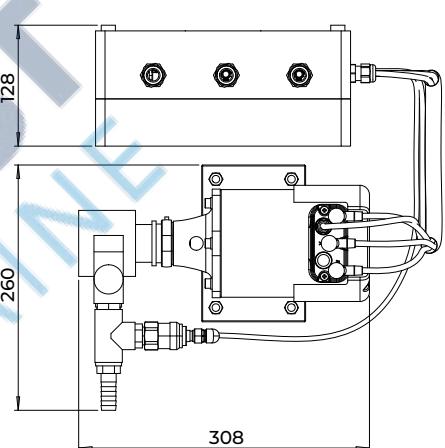
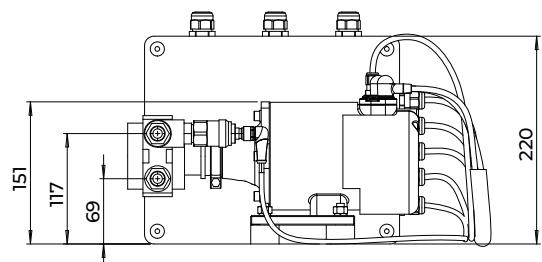
zen 100 | twin 200 | smart 80 | smart 100 | modular 100





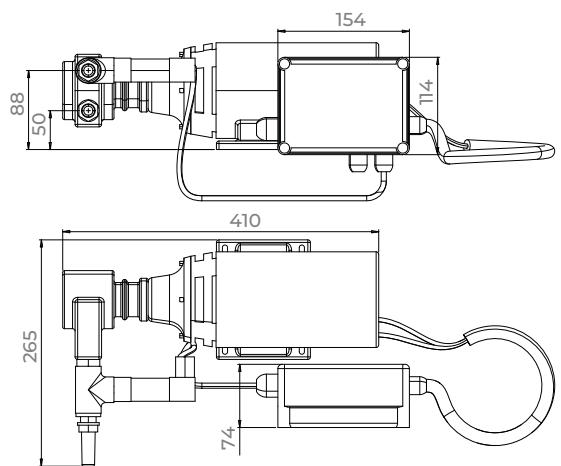
AVAILABLE FOR

qube 65 | qube 100



AVAILABLE FOR

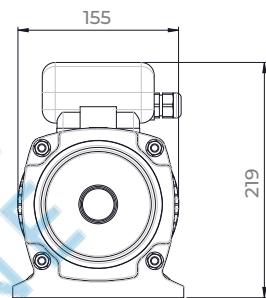
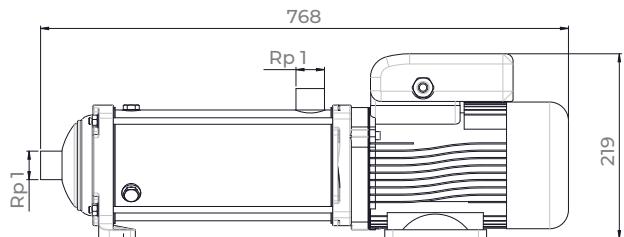
zen 150 | twin 300 | modular 150





AVAILABLE FOR

modular 230



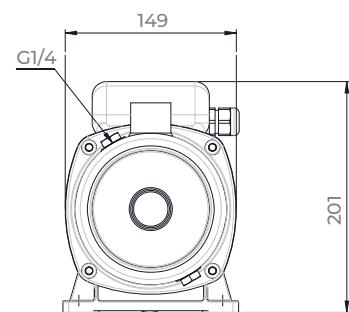
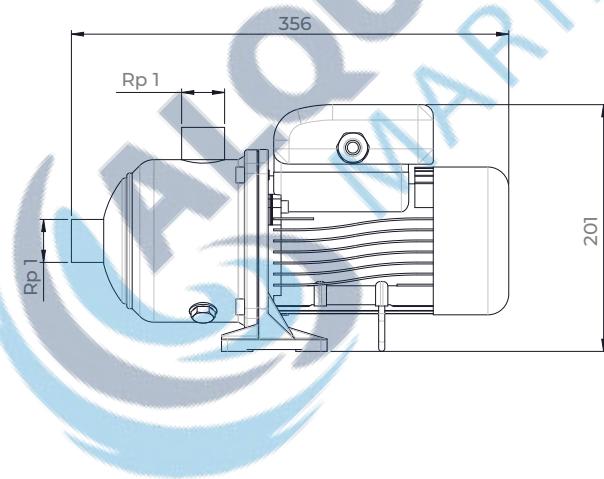
CALQUEST
MARINE

Pre pumps



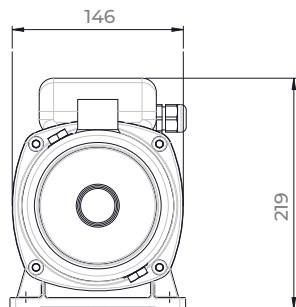
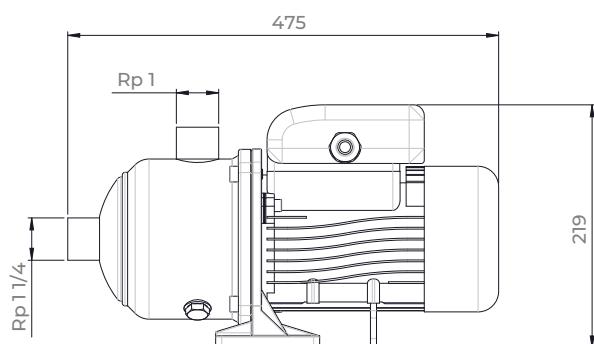
AVAILABLE FOR

modular 230 | modular 300



AVAILABLE FOR

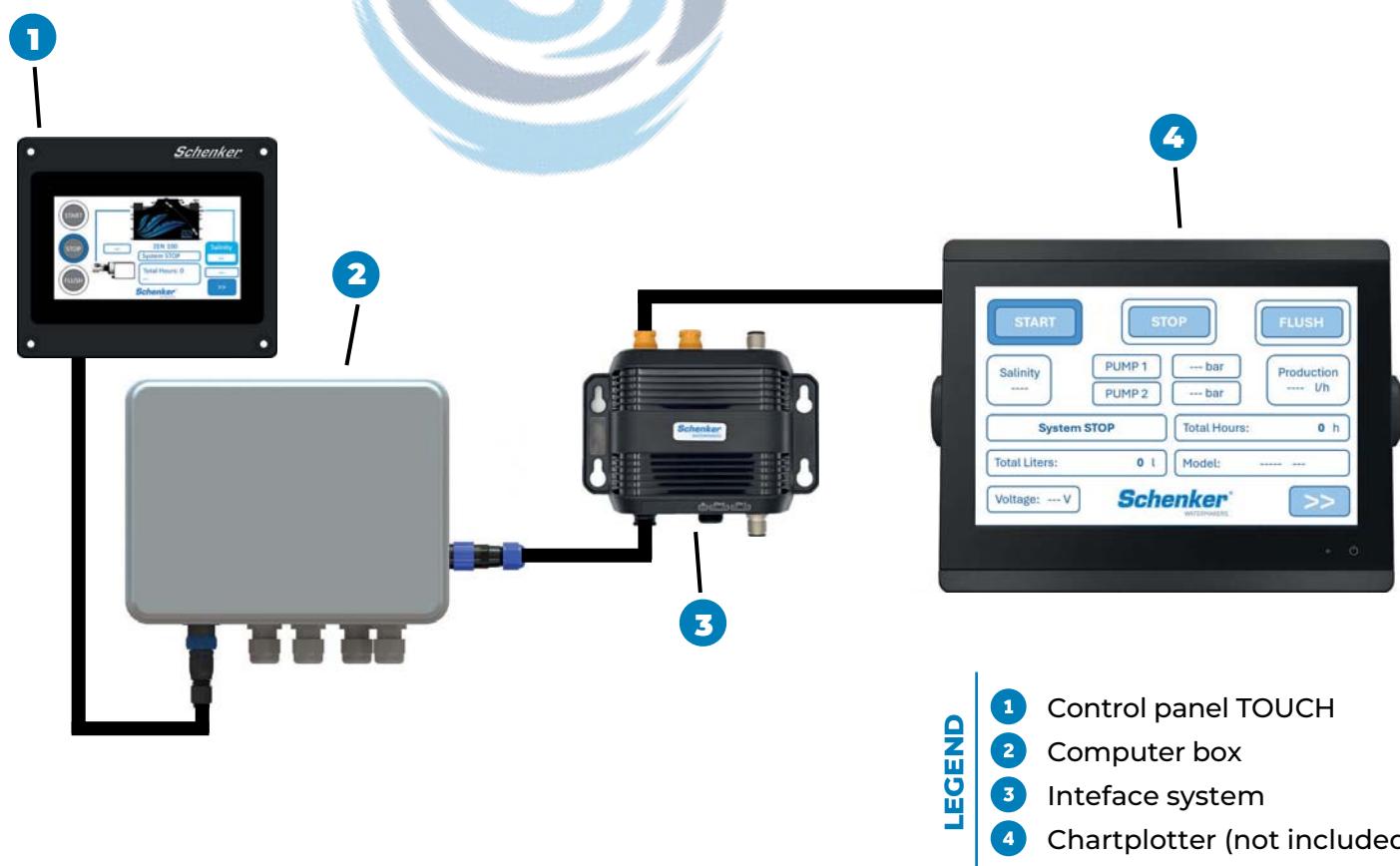
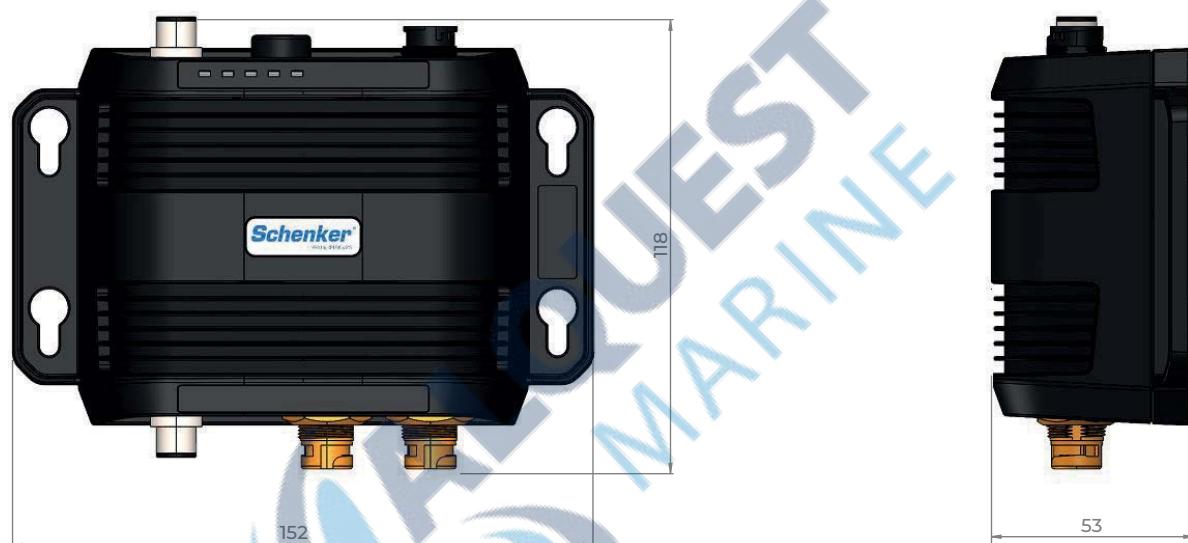
modular 500



Connectivity

Chartplotter Interface

The Schenker MFD interface allows you to control watermakers equipped with a TOUCH control panel directly from the main chartplotters available on the market, compatible with HTML5 applications (SIMRAD, B&G, LOWRANCE, GARMIN, RAYMARINE) via a LAN connection.



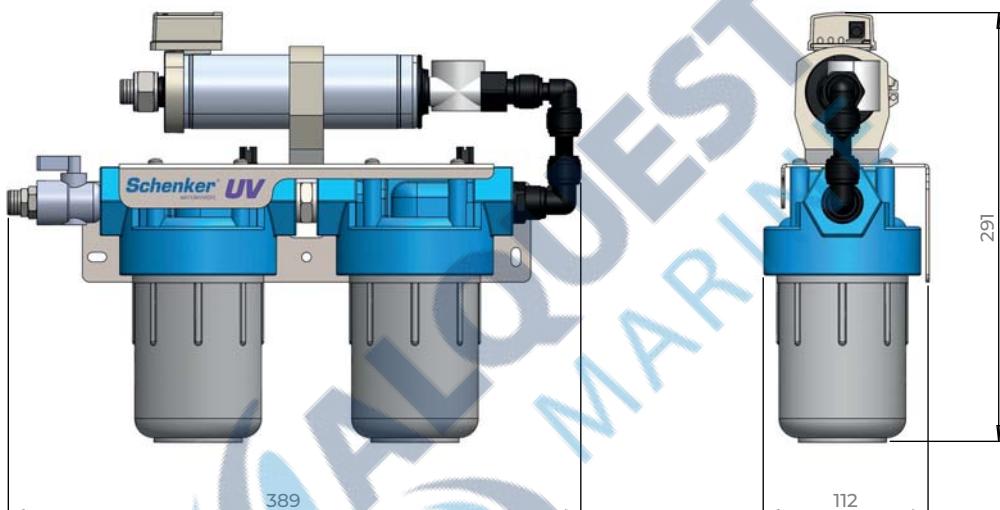
Fresh water treatments

Schenker UV purification system

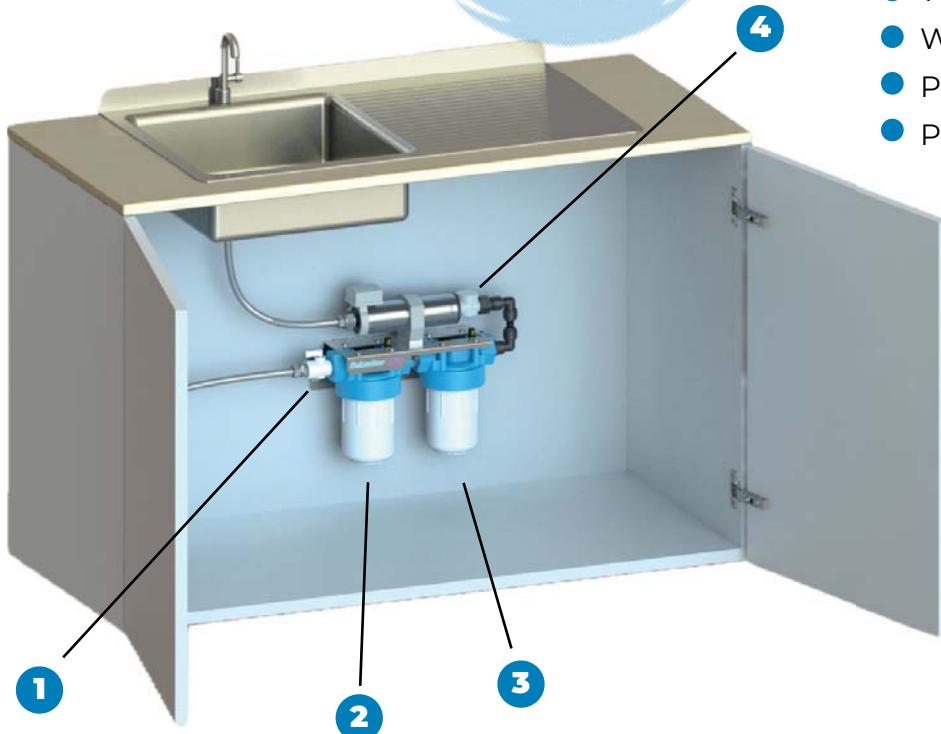
Schenker UV is based on a latest-generation ultraviolet LED lamp, combined with a pair of filters. The lamp activates only during water flow, minimizing power consumption. It reduces bacterial load by 99.9% (for a flow rate of 10 liters/min). The filters eliminate sediments and improve the water's organoleptic qualities.

Power supply available: 12 and 24 V.

Suitable for fresh water pumps with a flow rate of up to 14 liters/min.



TYPICAL INSTALLATION



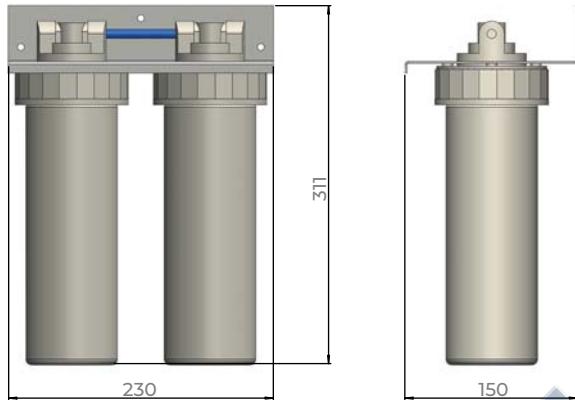
- Maximum flow rate: 14 l/min
- Temperature range: 0-45°C
- Working pressure: 0,5 - 8 bar
- Power consumption: 18 watts
- Power supply: 12/24 V

LEGEND

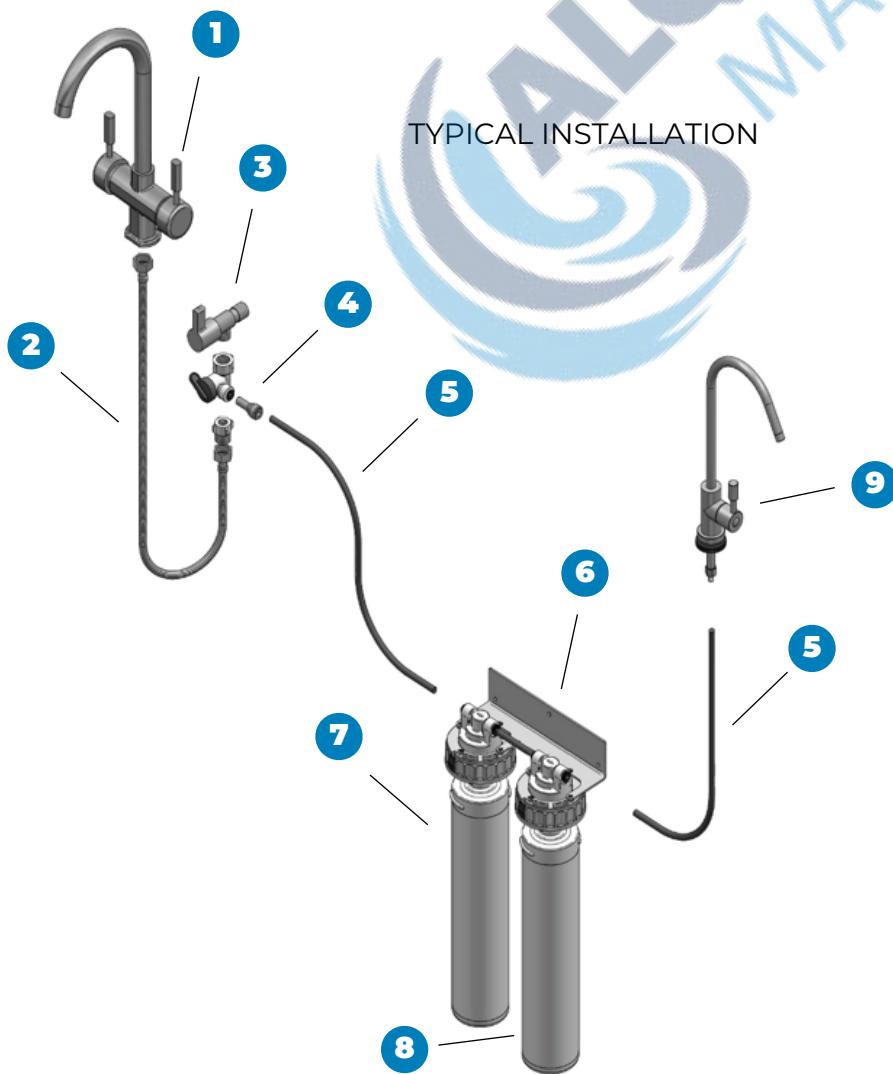
- 1 Ball valve
- 2 Active carbon filter
- 3 5 micron filter
- 4 UV STERILIZER

Pick&Drink - Microfiltration

Pick and Drink is a complete kit to filter the water from the tank, increasing the quality of the water. The kit consists of a pair of pre-assembled microfilters and a dispenser. The system can be easily connected to the pressurized freshwater system of the boat. High quality of fresh water always available from the dispenser.



- Flow rate: 3 l/min
- Temperature: 3-30°C
- Working pressure: 1-7 bar



LEGEND

- 1 Sink faucet
- 2 Sink hose
- 3 Wall-mounted water intake
- 4 Sampling valve
- 5 Hose PE 8X6 JG
- 6 PP housings group
- 7 Carbon block filter - 0,5 micron
- 8 Ultra-filtration - 0,15 micron
- 9 American Style faucet

   WWW.SCHENKERWATERMAKERS.COM

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