

Schenker®

WATERMAKERS



www.schenkerwatermakers.com



MANUFACTURER OF HIGH QUALITY MARINE WATERMAKERS.

SCHENKER COMPANY

The history

Established in 1998 Schenker is a leading manufacturer of high quality watermakers based on an energy recovery system. The company own 3 patents and have a long history of investing in research and development, focused to provide customers with the best technical solutions. Today as well as tomorrow.

The mission

To provide an high quality and innovative product, that satisfies all the customer's needs. To Offer the customer not only a quality product, but also an excellent service, every day. Provide eco-sustainable, simple and reliable solutions for making water.

The heart of innovation

Schenker watermakers, as an alternative to the high pressure pumps of traditional systems, make use of a new patented device (Energy Recovery System) that amplifies the pressure supplied by low pressure pumps and recovers most of the spent energy, thus enabling very high energy efficiency. The consumed energy is up to 80% lower than traditional systems.

BENEFITS

The electric consumption is reduced by up to 80% compared with conventional systems. For instance just 240 watt are required to produce 60 lit/h. A Schenker watermaker doesn't need to have either the engine or generator running when making water.

ELECTRIC CONSUMPTION IS REDUCED BY UP TO 80%

Thanks to this high efficiency, Schenker watermakers can be powered directly from service batteries, without the need for a generator.

DIRECT SERVICE BATTERIES POWER SUPPLY

Thanks to the low electric consumption the CO2 emissions necessary for making water are reduced by 85%. Schenker watermakers produce water whilst considering the environment.

ECO SUSTAINABILITY

Working simplicity. Thanks to automatic pressure regulation there are no valves to regulate or operations to carry out. All done at the flick of a switch.

AUTOMATIC PRESSURE REGULATION

Schenker watermakers produce just pure fresh water. No need to carry onboard bulk supplies of plastic bottled water. Now we can protect wildlife and reduce microplastics in the sea. Making our Oceans plastic free!



Schenker watermakers don't make use of high pressure pumps. The result is very quiet running and vibration free operation.

QUIET RUNNING AND VIBRATION FREE

The parts of the watermaker in contact with sea water are mainly made from carbon fibre or acetylic resin. The watermaker is totally corrosion free.

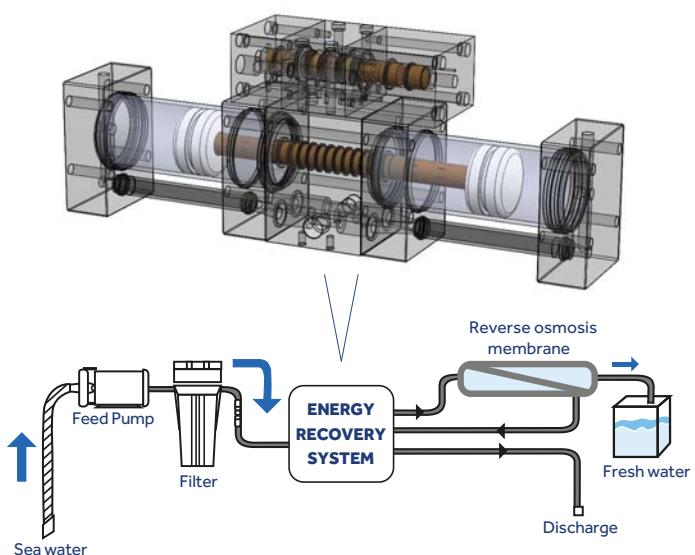
CORROSION FREE MATERIALS

The internal seals of the new 2.0 systems, are made with special friction bands produced using nanotechnology. This material exhibits a very low friction coefficient, and an incredible resistance to abrasion, up to 15 times greater than carbon steel!

NON WEARING COMPONENTS

WORKING PRINCIPLE

Schenker watermakers, as an alternative to the high pressure pumps of traditional systems make use of a new device (Energy Recovery System) that amplifies the pressure supplied by low pressure pumps and recovers most of the spent energy. This enables very high energy efficiency. The typical specific electric consumption is only 4 Watt/h/lit.







Schenker watermakers are simple, quite, compact, efficient and fully automatic

Like few other things, they are able to improve your cruising and allow you to enjoy your boat. Just think of the independence of an unlimited supply of fresh water and long showers, consuming just a small amount of energy power. Because your serenity is important to us, Schenker provide an efficient, friendly and affordable after-sales service which is extended all over the world. 3 year warranty, because your money has a great value for us. Because customer satisfaction is at the forefront of our thoughts. Because a great product is always combined with a great service.

WHICH MODEL TO CHOOSE?

Schenker watermakers are available in 3 models, Zen, Smart and Modular.

All units are fitted with an Energy Recovery System, reducing electric consumption to a minimum.

Materials, quality and reliability of the 3 models are equivalent.

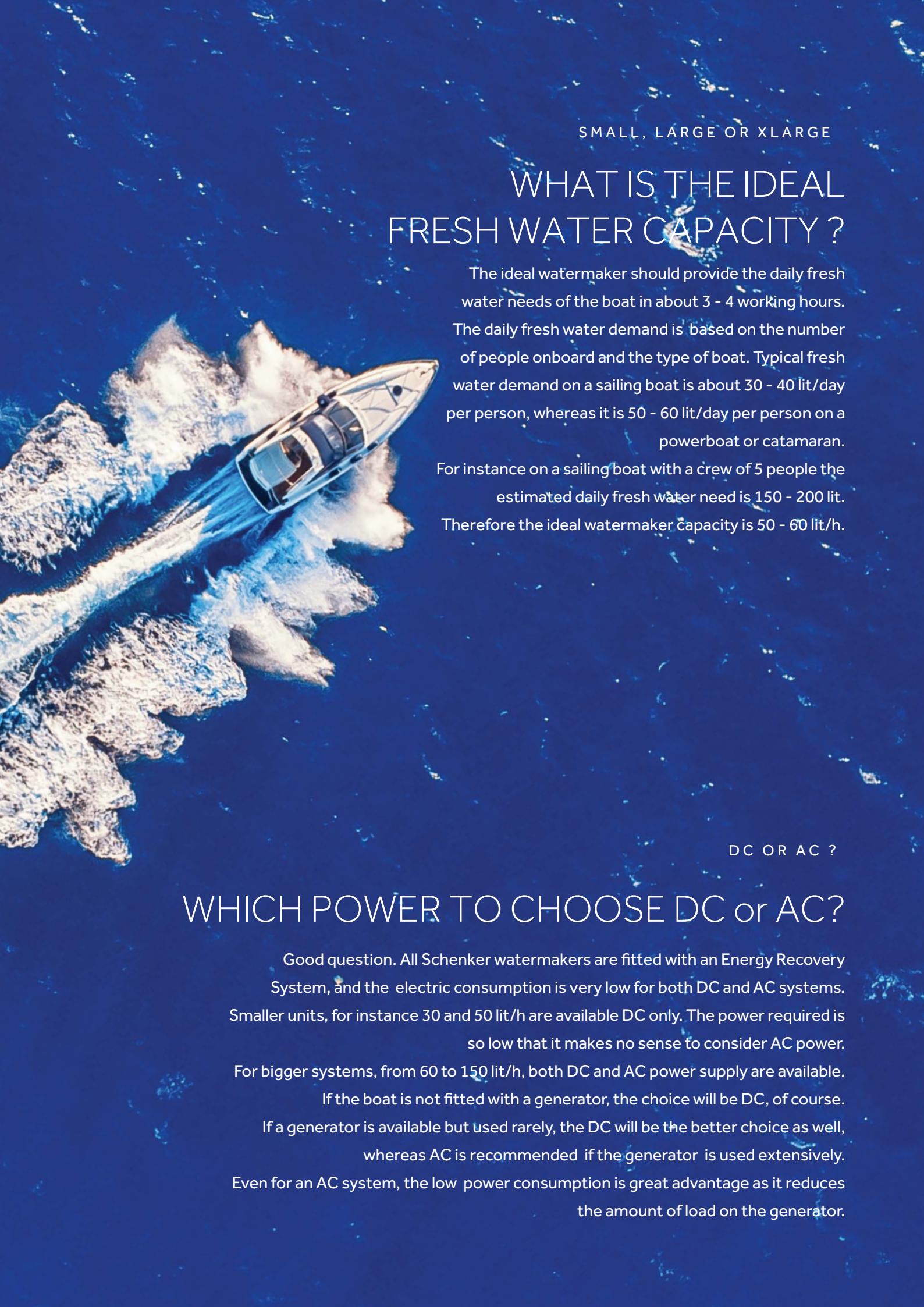
In the Zen basically all components are integrated in the main manifolds, and there are very few external components such as fittings, hoses & valves. This makes the Zen very compact, with a special ultra-flat design.

On the contrary the Smart and Modular are based on a more traditional configuration, therefore the main components of the watermaker (ERS, membranes, valves, pipes) are separated, making the inspection and service of the parts very simple.

The Smart is mainly based on single, long membranes whereas the Modular makes use of split membranes. Therefore the external dimensions of the 2 machines are quite different, allowing the customer to choose the best option to adapt to the space available.

Finally the Zen is available with a Basic remote control panel (this allows remote start/stop, flushing and timing options) whereas the Smart and Modular are available with 3 different control options, Basic, Analogic and Digital.



The background of the entire page is a high-angle aerial photograph of a boat moving through dark blue ocean water, creating a bright white wake. The boat is a modern, sleek design. The overall mood is nautical and sophisticated.

SMALL, LARGE OR XLARGE

WHAT IS THE IDEAL FRESH WATER CAPACITY ?

The ideal watermaker should provide the daily fresh water needs of the boat in about 3 - 4 working hours. The daily fresh water demand is based on the number of people onboard and the type of boat. Typical fresh water demand on a sailing boat is about 30 - 40 lit/day per person, whereas it is 50 - 60 lit/day per person on a powerboat or catamaran.

For instance on a sailing boat with a crew of 5 people the estimated daily fresh water need is 150 - 200 lit. Therefore the ideal watermaker capacity is 50 - 60 lit/h.

DC OR AC ?

WHICH POWER TO CHOOSE DC or AC?

Good question. All Schenker watermakers are fitted with an Energy Recovery System, and the electric consumption is very low for both DC and AC systems. Smaller units, for instance 30 and 50 lit/h are available DC only. The power required is so low that it makes no sense to consider AC power.

For bigger systems, from 60 to 150 lit/h, both DC and AC power supply are available.

If the boat is not fitted with a generator, the choice will be DC, of course.

If a generator is available but used rarely, the DC will be the better choice as well, whereas AC is recommended if the generator is used extensively.

Even for an AC system, the low power consumption is great advantage as it reduces the amount of load on the generator.



WATERMAKERS



Quiet, small, light, efficient, inexpensive.
Can be installed in all positions,
horizontal as well as vertical.
Not much bigger than a briefcase.

ZEN

RANGE
30 - 50 - 100 lit/h

smart

Light and affordable, it is the ideal
solution for those who prefer a simple
and essential system.

RANGE
30 - 60 - 80 - 100 lit/h



Very compact units.
The variety of output range is able to
satisfy all needs.

RANGE
35 - 60 - 100 - 150 - 230 - 300 - 500 lit/h

MODULAR



Power supply _ 12 / 24 VDC

Consumption _ 110 W

Weight _ 21 kg

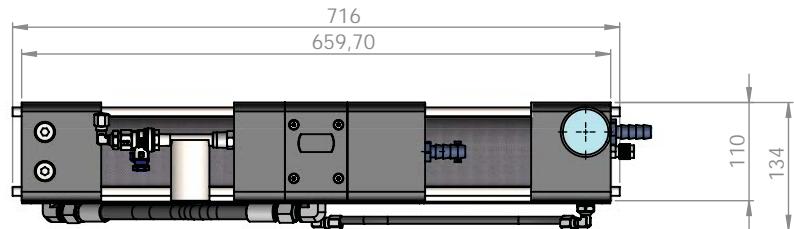
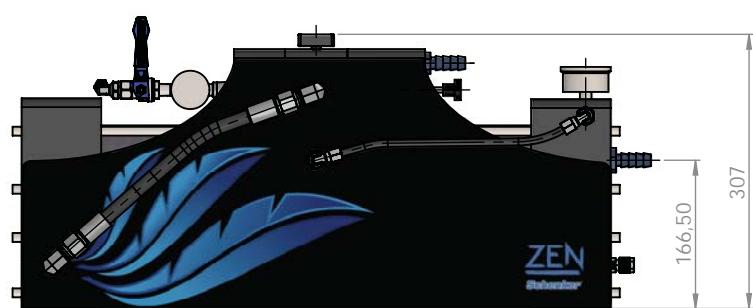
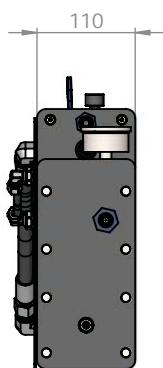
Membranes _ n°1 2,5" x 21"



DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC

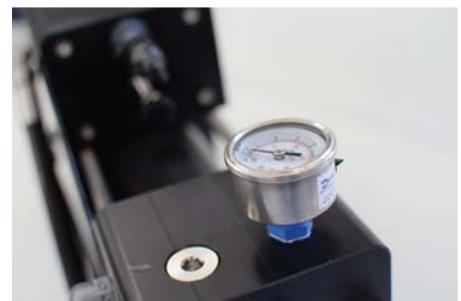
Consumption _ 240 W

Weight _ 30 kg

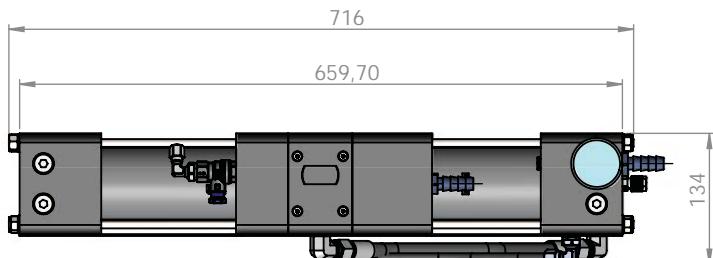
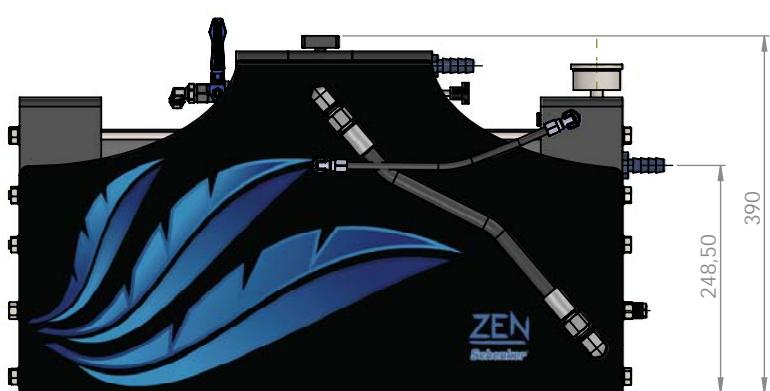
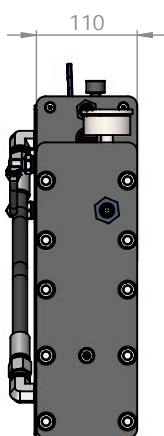
Membranes _ n°2 2,5" x 21"



DETAILS

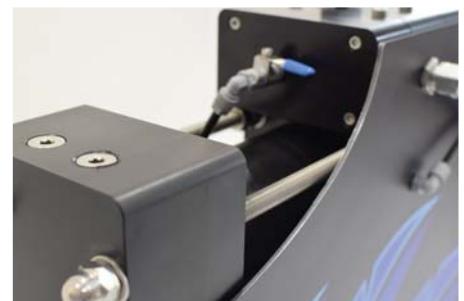


DRAWINGS

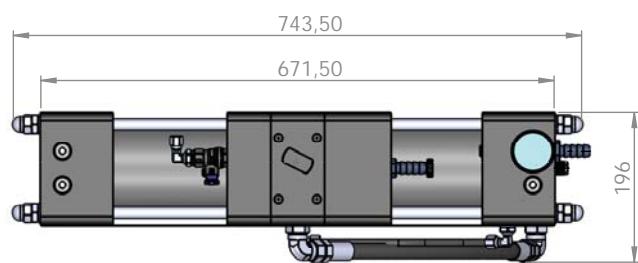
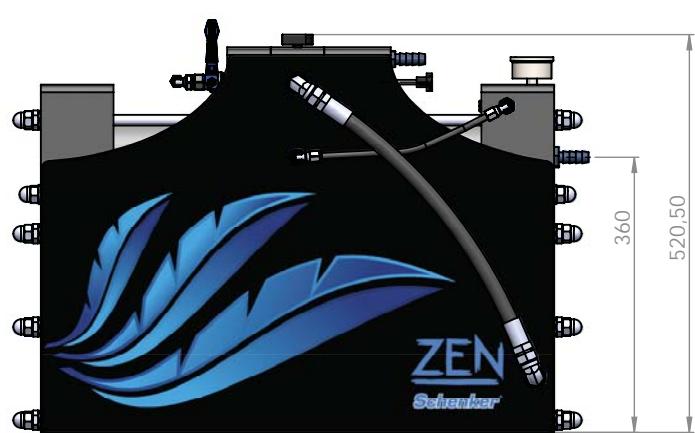


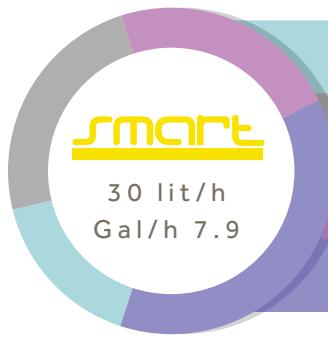


DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC

Consumption _ 110 W

Weight _ 25 kg

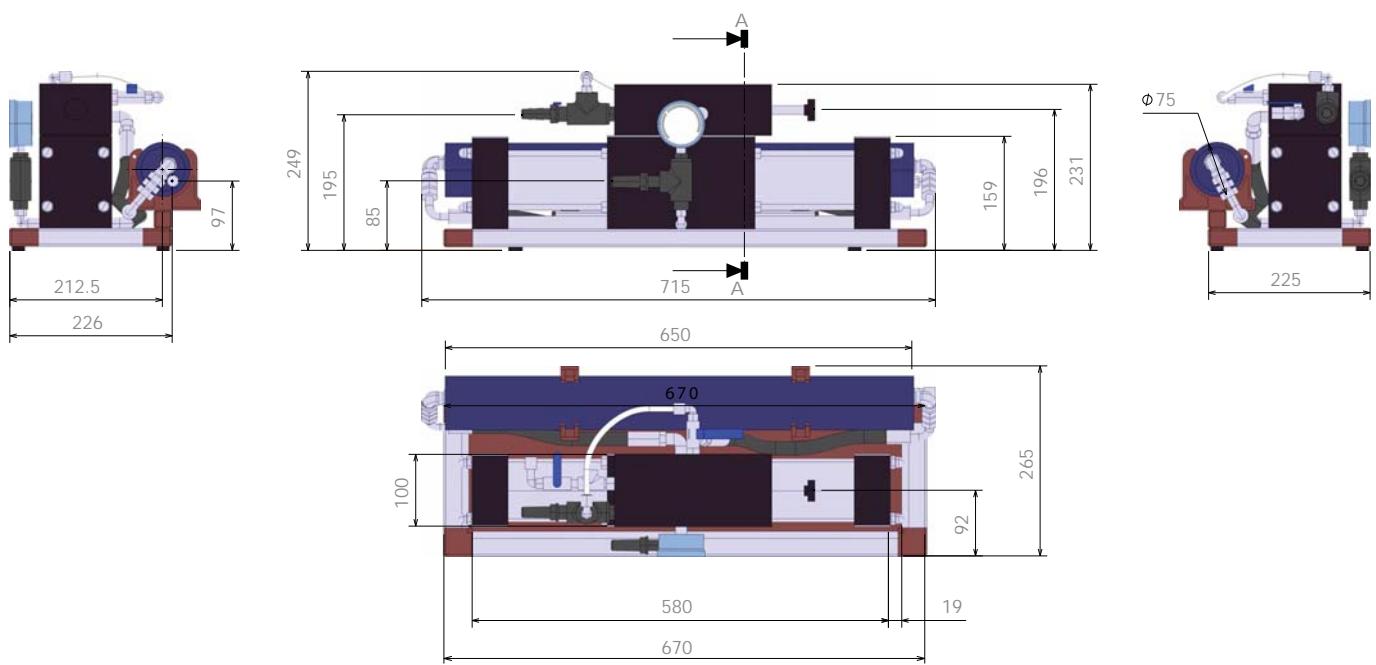
Membranes _ n°2 2,5" x 21"



DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC or AC

Consumption _ 240 W

Weight _ 31 kg

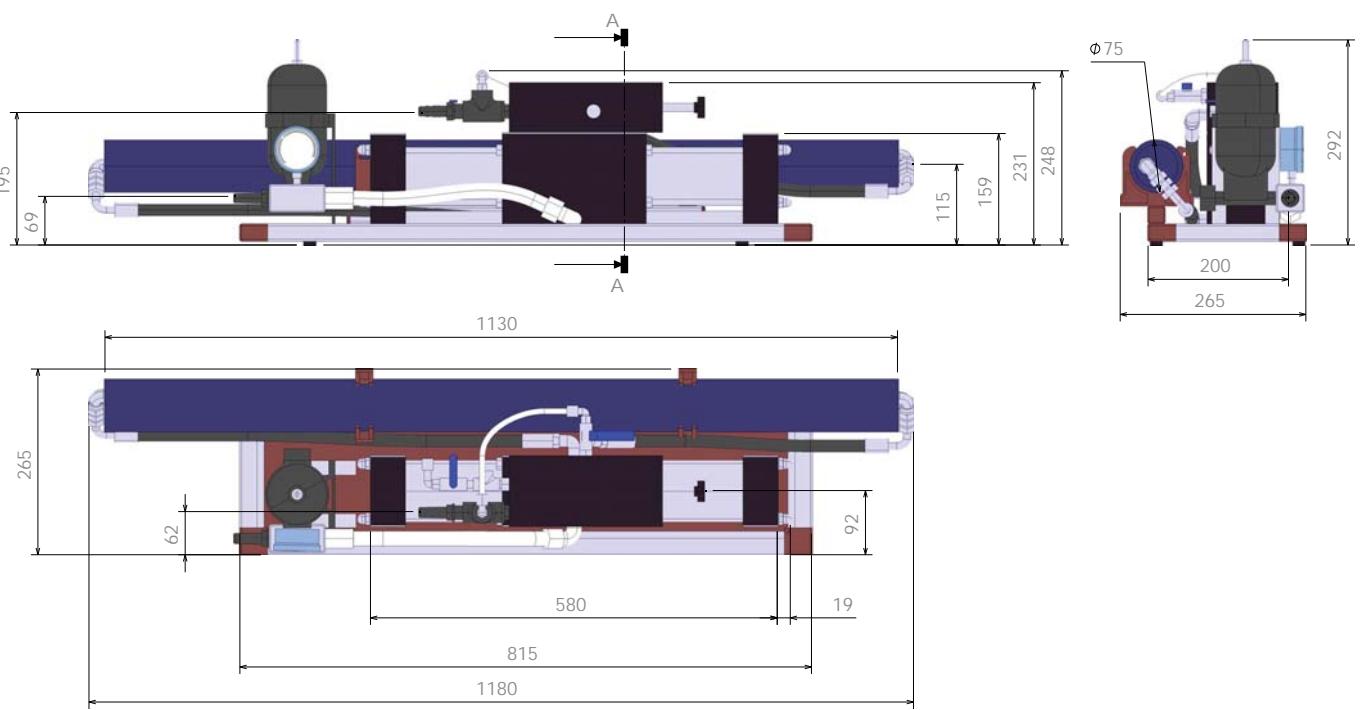
Membranes _ n°1 2,5" x 40"



DETAILS



DRAWINGS

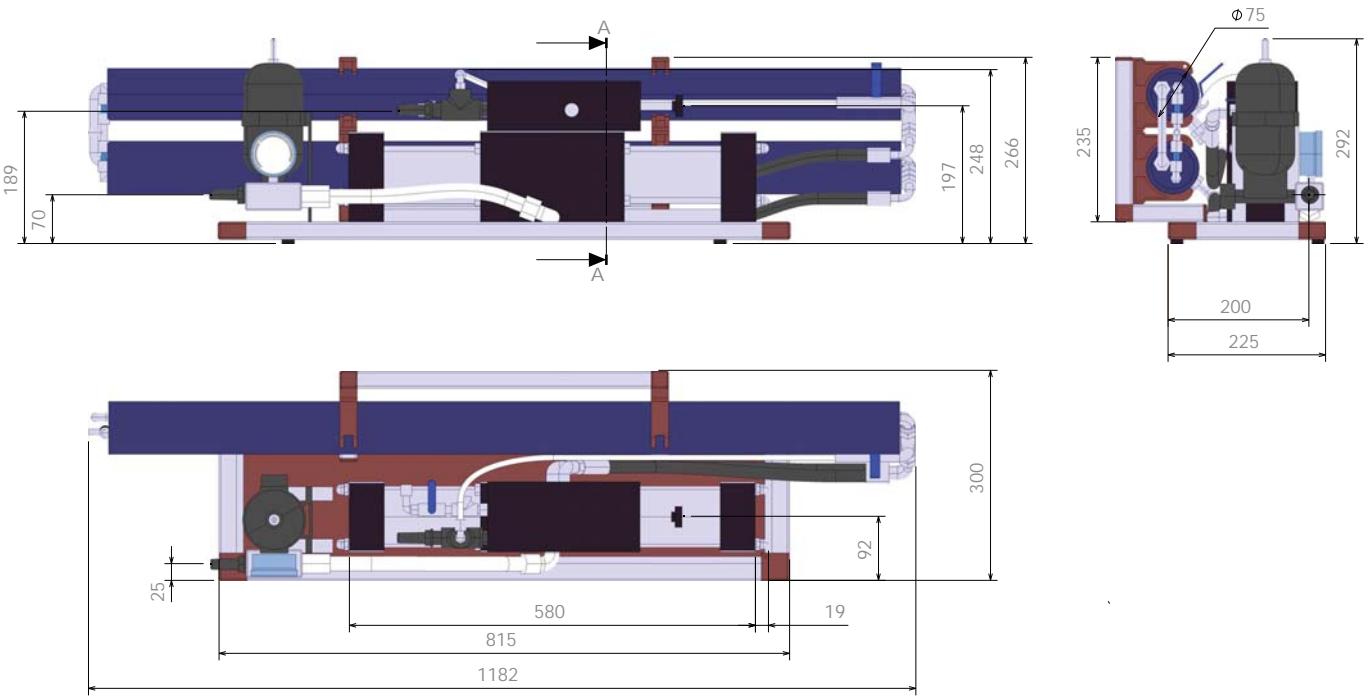


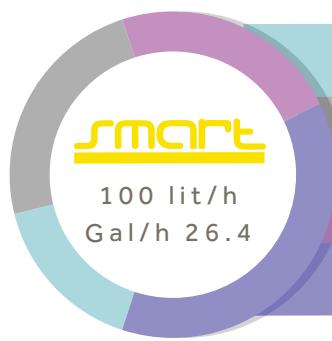


DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC or AC

Consumption _ 400 W

Weight _ 48 kg

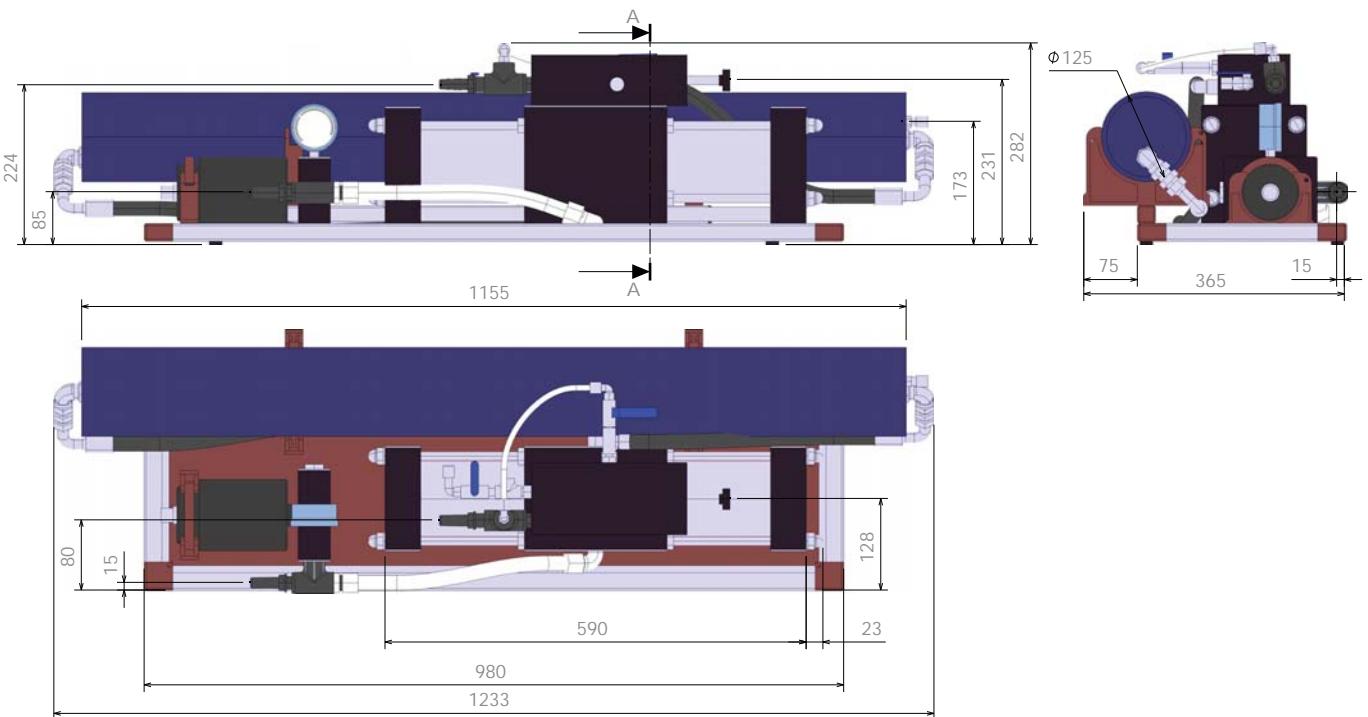
Membranes _ n°1 4" x 40"

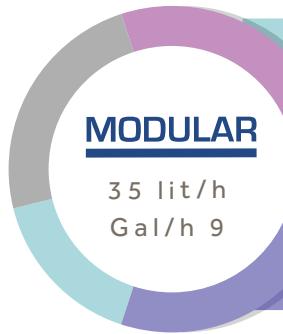


DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC

Consumption _ 100 W

Weight _ 31 kg

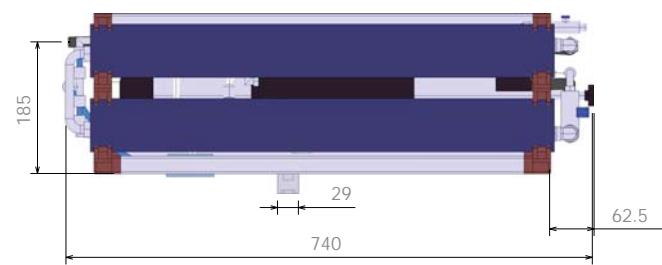
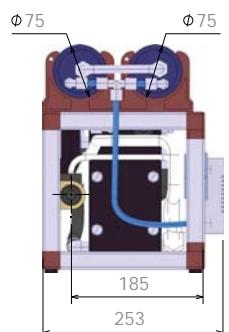
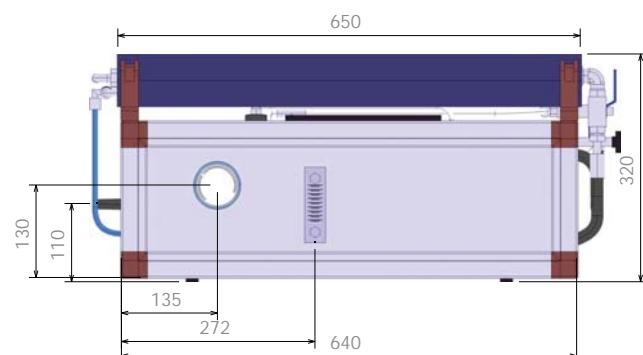
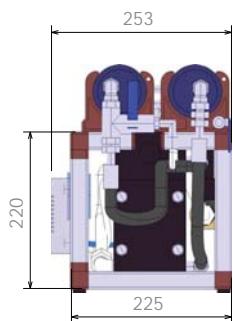
Membranes _ n°2 2,5" x 21"

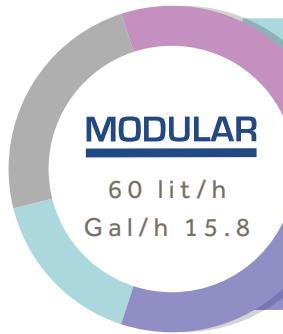


DETAILS



DRAWINGS





Power supply _ 12 / 24 VDC or AC

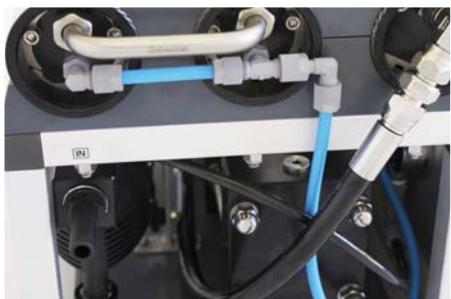
Consumption _ 240 W

Weight _ 38 kg

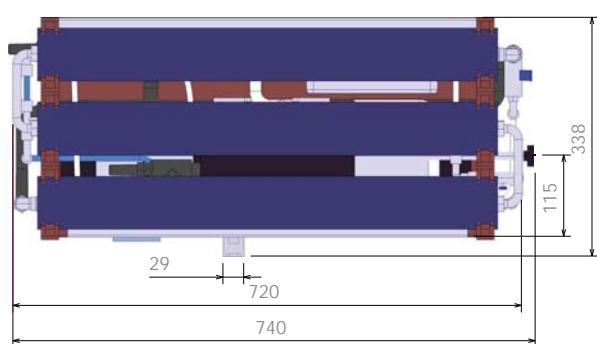
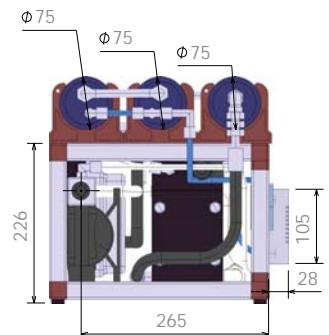
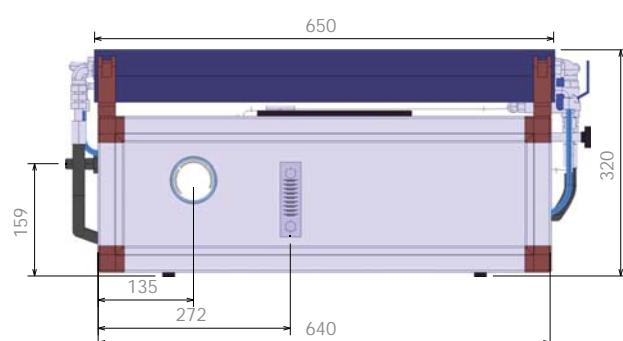
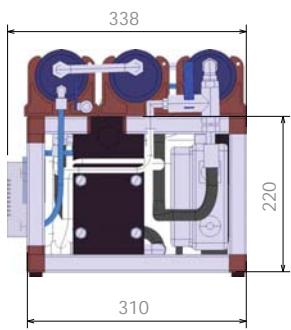
Membranes _ n°3 2,5" x 21"

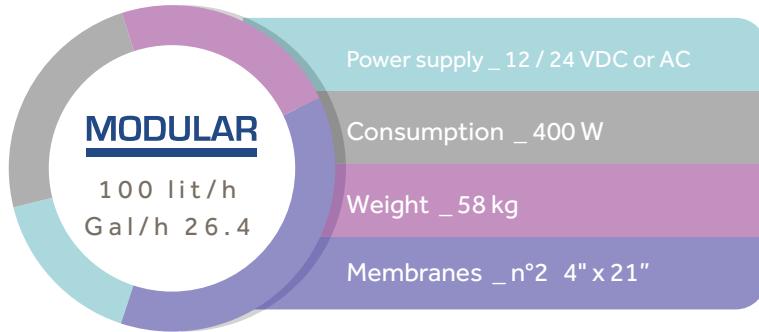


DETAILS

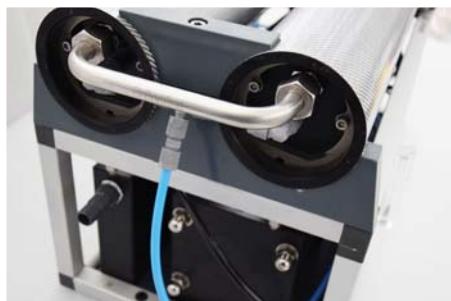


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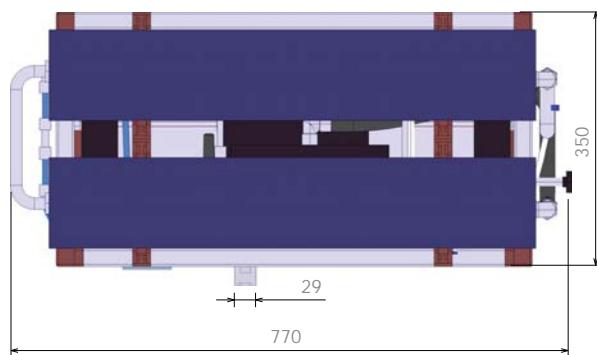
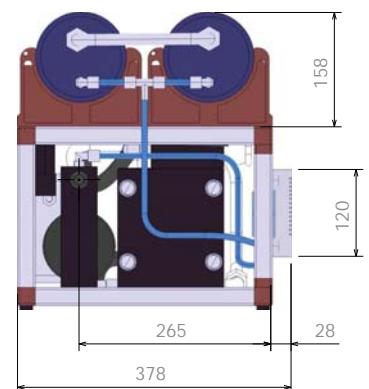
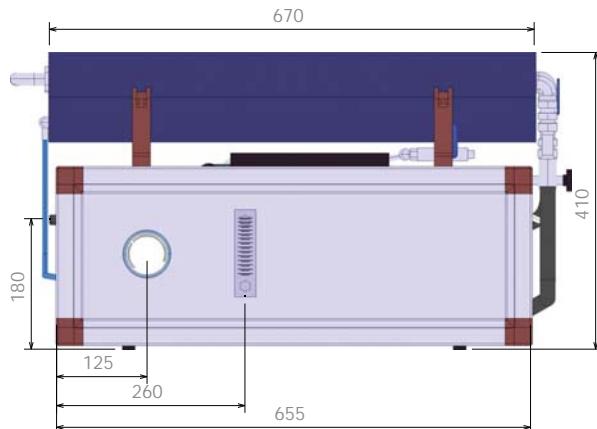
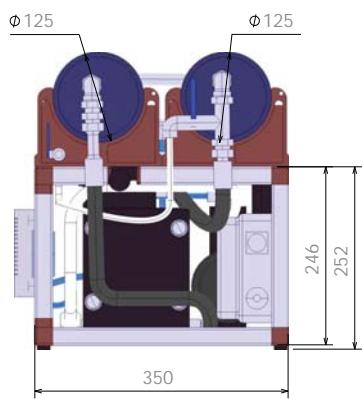




DETAILS



DRAWINGS



MODULAR

150 lit/h
Gal/h 39.6

Power supply _ 24 VDC or AC

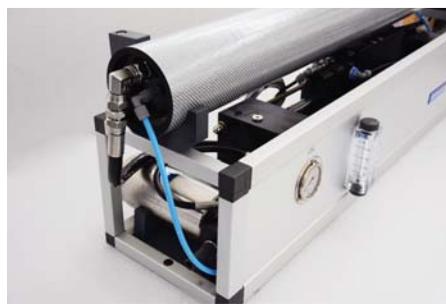
Consumption _ 600 W

Weight _ 69 kg

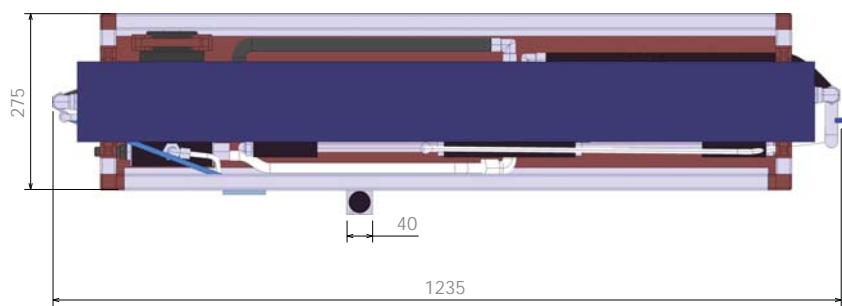
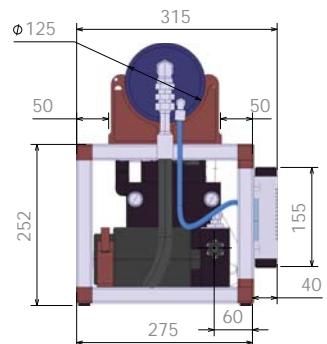
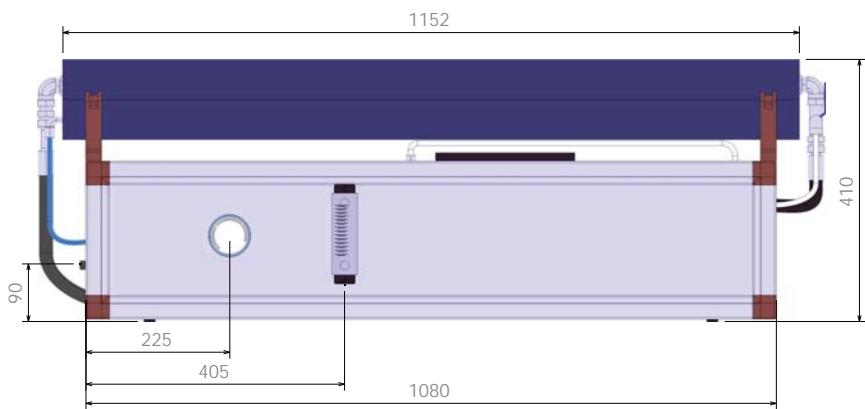
Membranes _ n°1 4" x 40"



DETAILS



DRAWINGS



MODULAR

230 lit/h
Gal/h 61

Power supply AC single or three phase

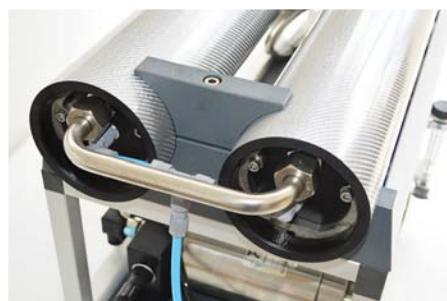
Consumption _ 1,5 kW

Weight _ 95 kg

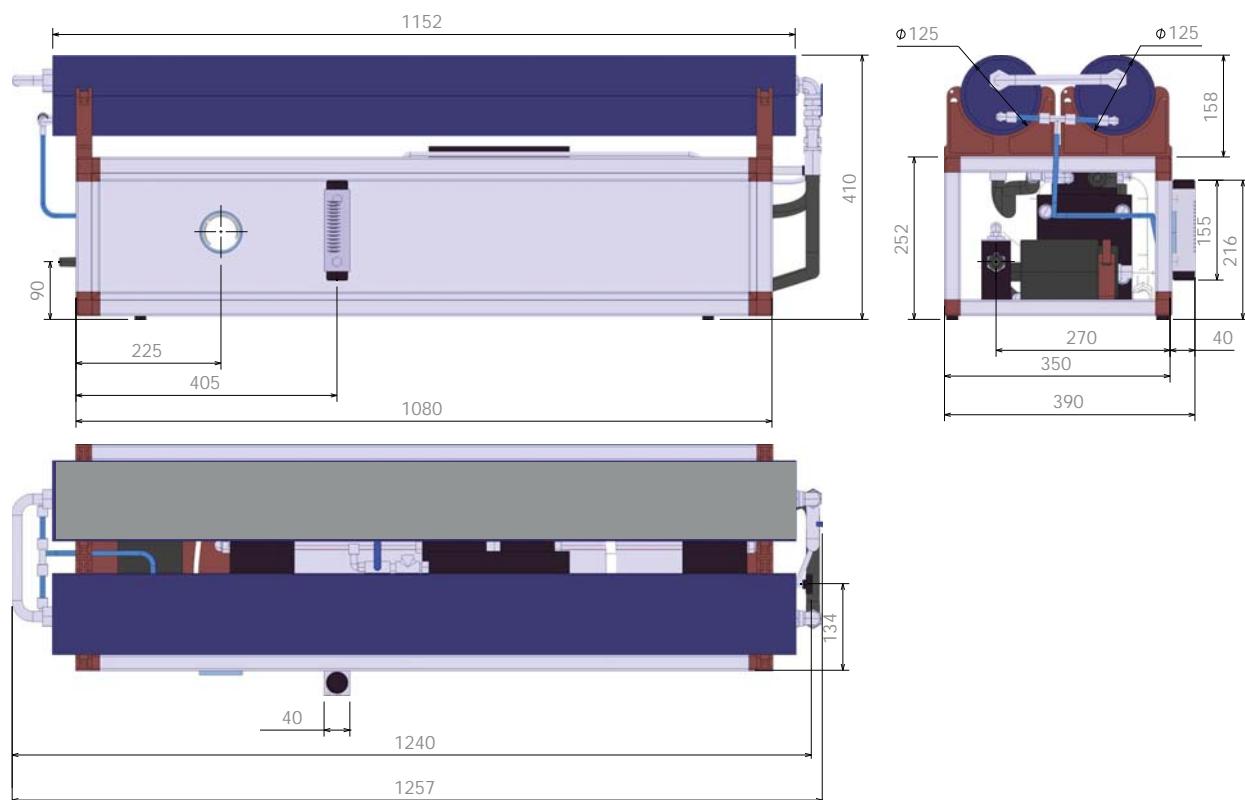
Membranes _ n°2 4" x 40"



DETAILS



DRAWINGS





Power supply AC single or three phase

Consumption _ 2,5 kW

Weight _ 145 kg

Membranes _ n°3 4" x 40"



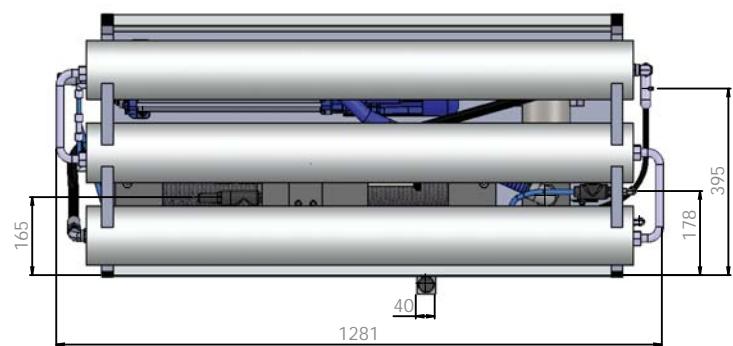
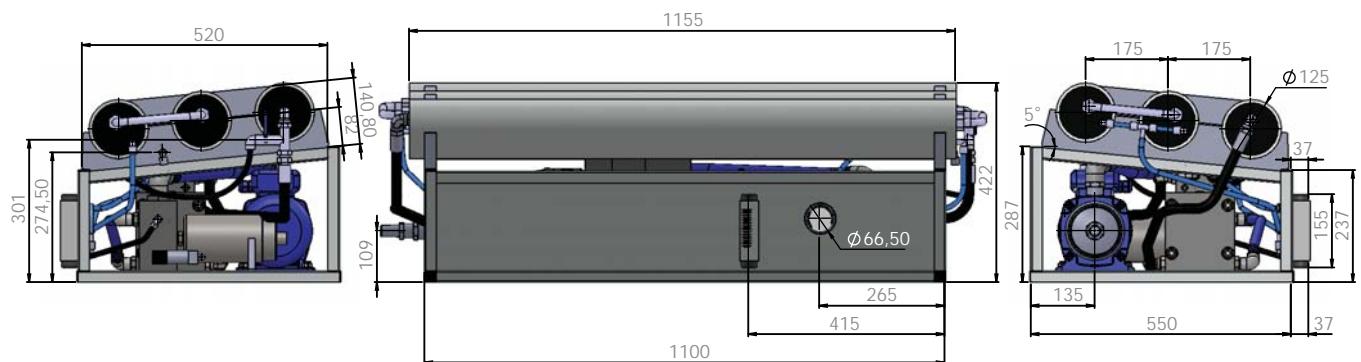
Main pump inside

INVERTER TECHNOLOGY

DETAILS



DRAWINGS





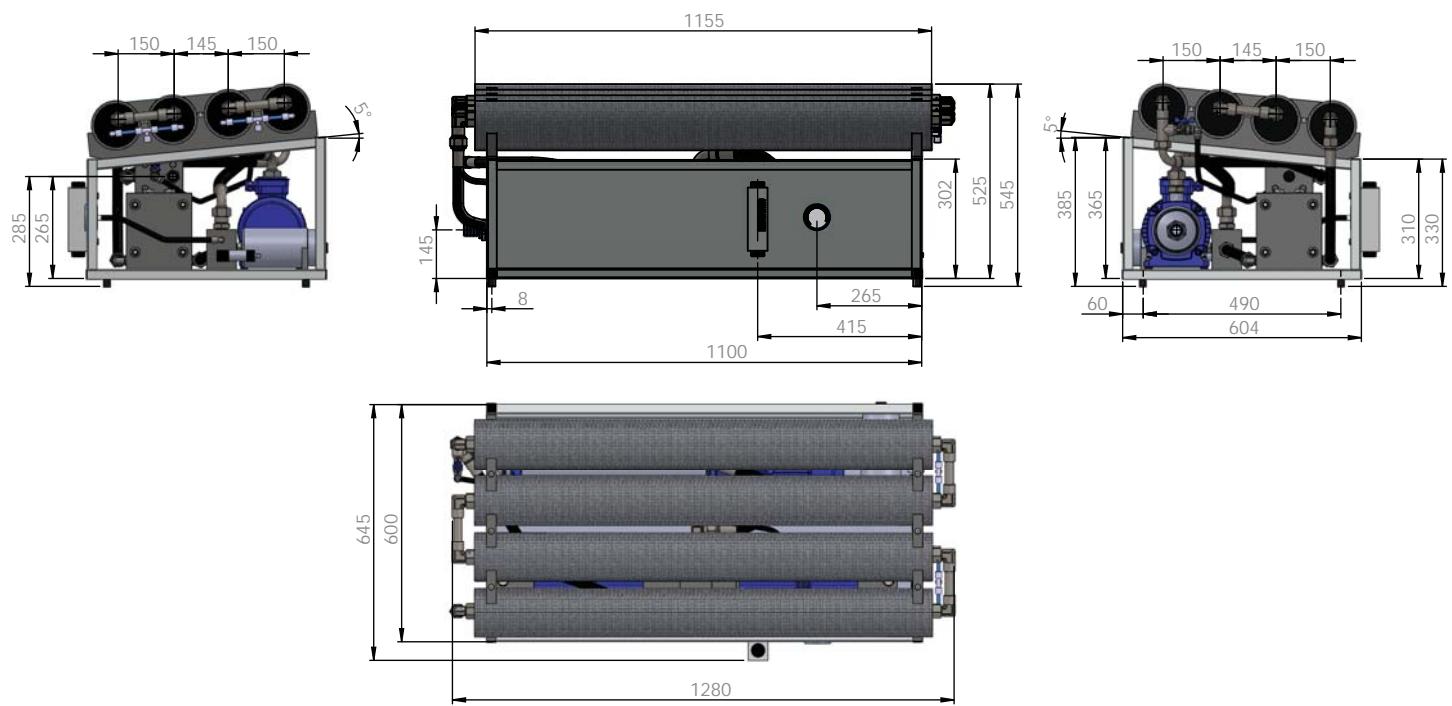
Main pump inside

INVERTER TECHNOLOGY

DETAILS



DRAWINGS



REMOTE PANELS

BASIC



Functions:

- Start/stop
- Back flush
- Timer

Dimension: 100 x 66 mm

Available for:

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

ANALOGIC



Functions:

- Remote start/stop
- Selection half power (60 lt/h only)
- Automatic flushing
- Intensive flushing

Dimension: 120 x 80 mm

Available for:

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

DIGITAL



Functions:

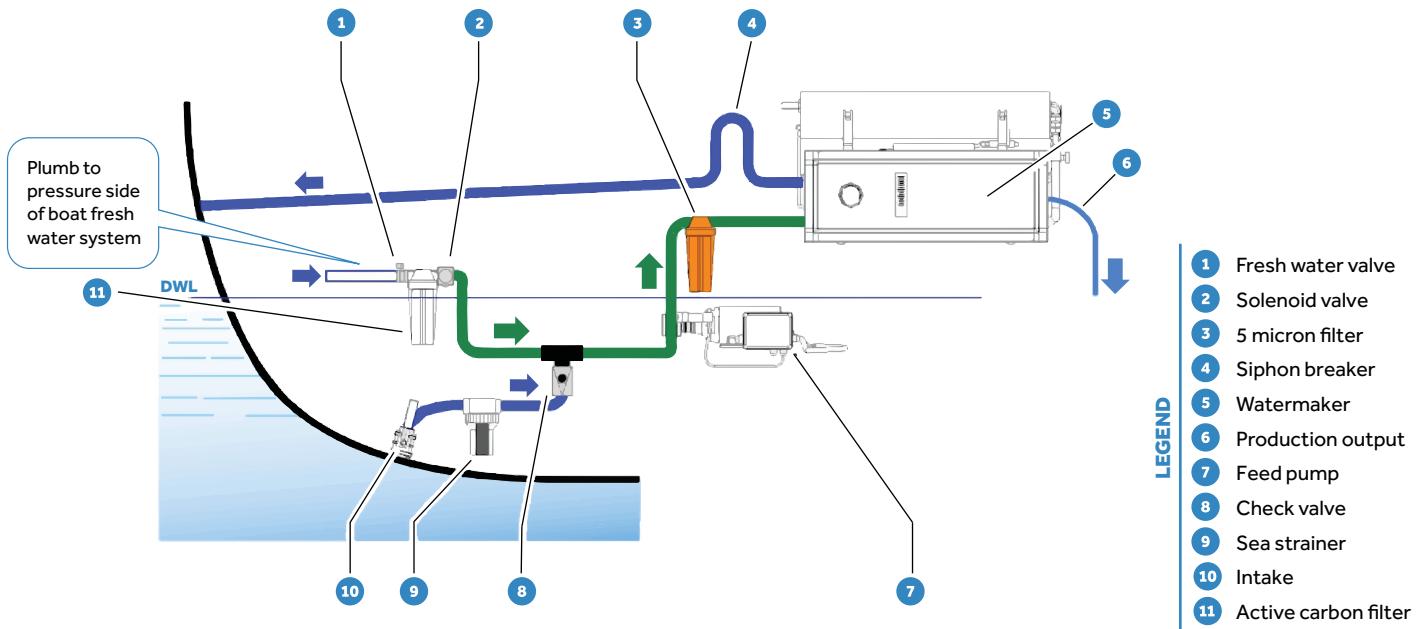
- Remote start/stop
- Selection half power (60 lt/h only)
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Hours counter
- Automatic start up
- Assisted maintenance
- Salinity monitoring (optional)
- Raymarine compatible

Dimension: 135 x 115 mm

Available for:

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

TYPICAL INSTALLATION

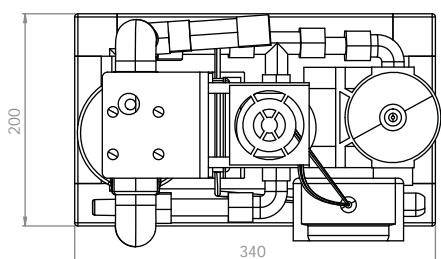
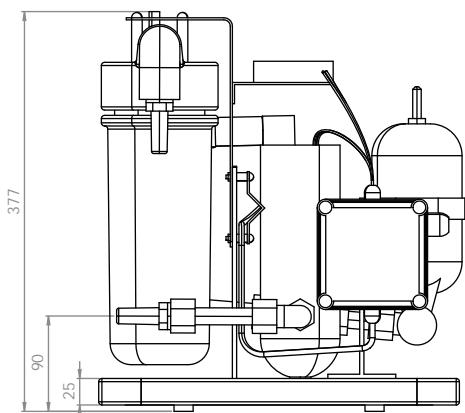
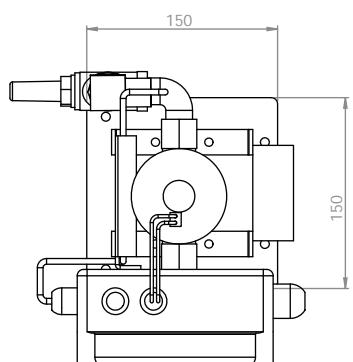
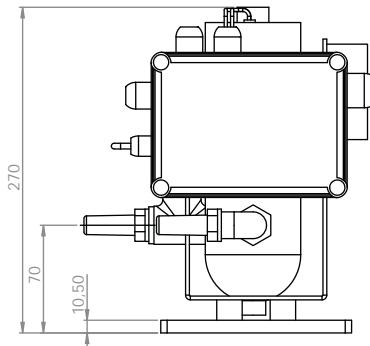




FEED PUMPS

All watermakers in the range 30-150 lit/h are fitted with 1 feed pump only.

Different Pump configurations are available to fit various space constraints.



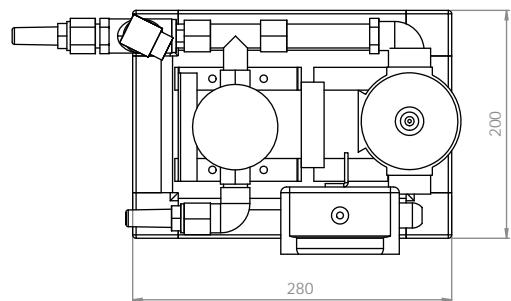
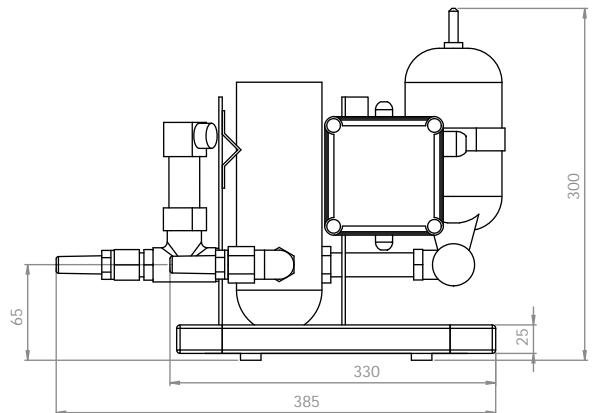


30 - 35
lit/h

AVAILABLE FOR

smart 30
modular 35

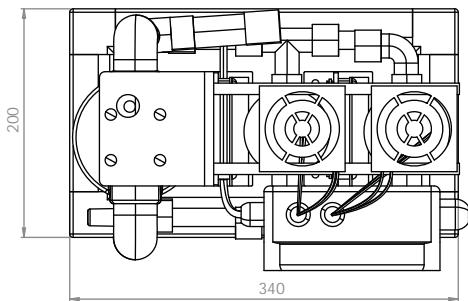
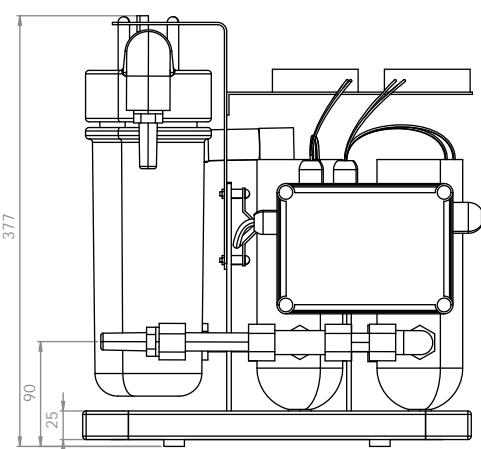
with external
filter



60
lit/h

AVAILABLE FOR

smart 60
modular 60

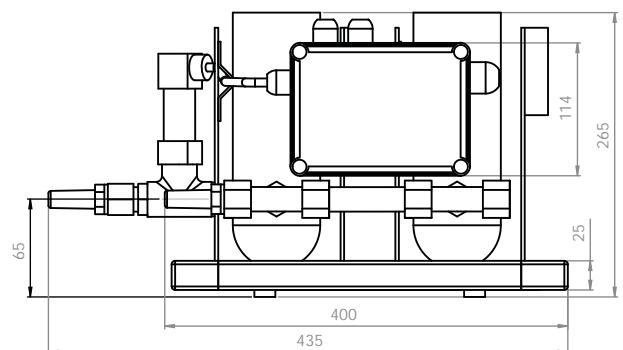


50 - 60
lit/h

AVAILABLE FOR

zen 50
smart 60
modular 60

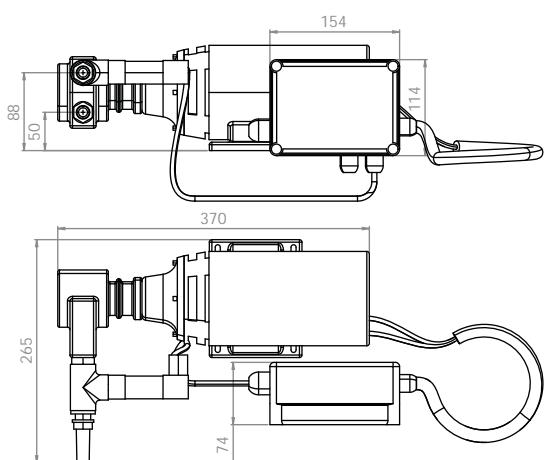
with external
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80 - 100
150
lit/h

AVAILABLE FOR

smart 80
zen 100
smart 100
modular 100
modular 150

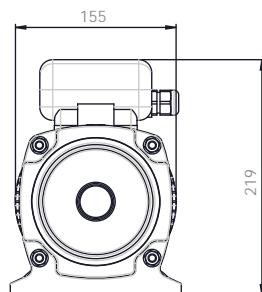
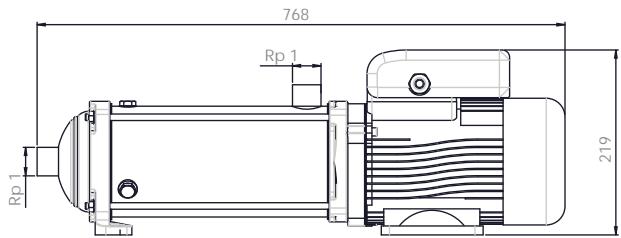




230
lit/h

AVAILABLE FOR

modular 230



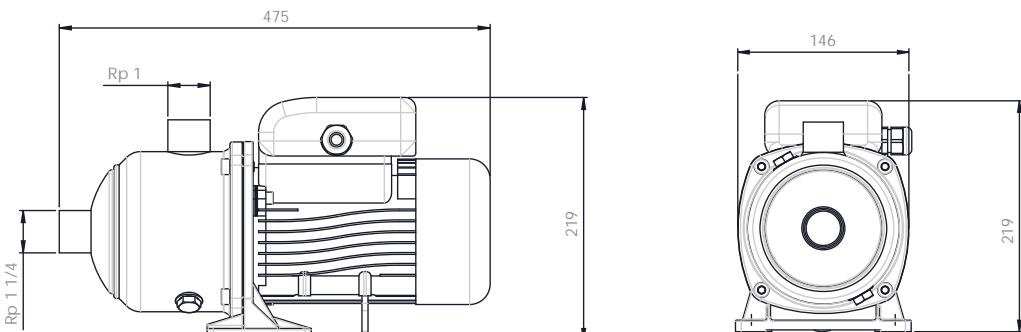
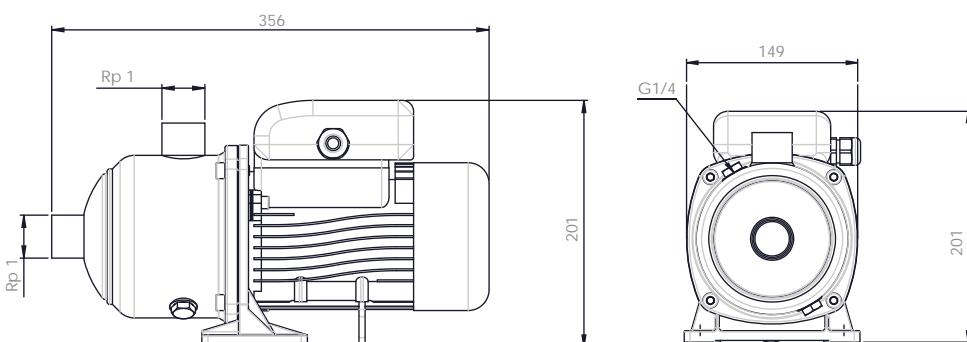
PRE PUMPS



230 - 300
lit/h

AVAILABLE FOR

modular 230
modular 300





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