

Ocean-Spring Watermakers

*By Sailors, for sailors
Watermakers you can rely on!*



What Clients Say



Erwin - Germany

"All materials and accessories arrived at my home very well packaged. The description was very detailed and helpful... At the moment we are still in the North Sea, as the water here is still very cold I don't expect full performance yet. What I can now say, however, is that the water produced is around 180 ppm and we are more than satisfied with it."

Jürgen - Portugal

"As an alternative to some established manufacturers, we can recommend Ocean Spring Watermakers, where, in addition to good advice and quality, you also have the advantage of having a German-speaking contact in the background who can help in the event of a problem. In our opinion, this is an advantage that should not be ignored."



Jeff - Cyprus

"Very knowledgeable and happy to work with on installation variables. Everything is looking way neater and professional than the others hack job installation!"



Thomas - Greece

*"Hi Julian,
...a quick review of the watermaker. We are very satisfied; the machine works reliably, and the water volume is great. The drinking water quality is very good. Conclusion: we should have bought it in the first place."*



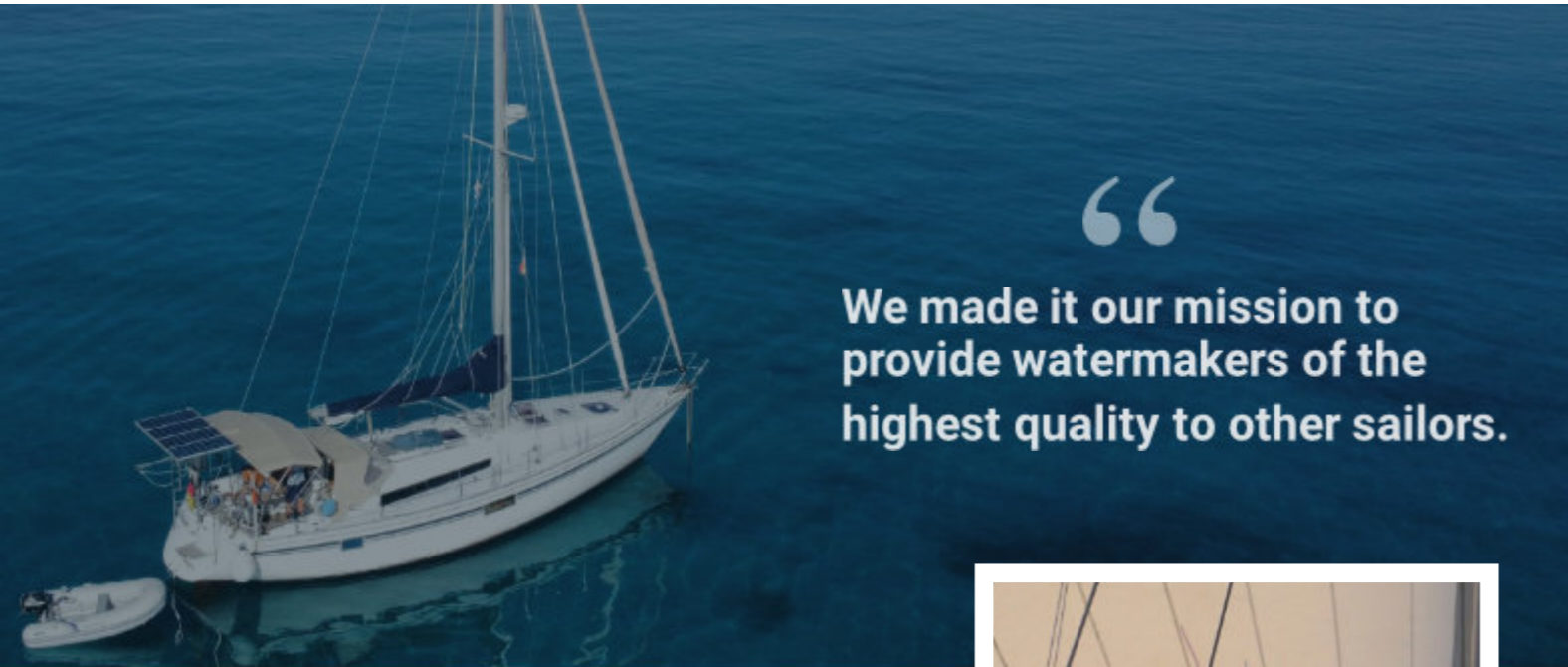
TABLE OF CONTENTS

| | |
|--------------------------------------|----|
| About us | 4 |
| Ocean- Spring Watermakers models | 5 |
| Ocean- Spring Watermakers dimensions | 8 |
| Maintenance and Spares | 16 |
| Contact | 19 |



Ocean-Spring Watermakers

About us



My name is **Julian**, the head behind **Ocean-Spring Watermakers**.

As a mechanical engineer and passionate sailor, my thoughts always revolve around the technology on board.

On my first big sailing trip, a year-long round of the Atlantic, I repeatedly had problems with my watermaker on board. Troubleshooting why fresh water was no longer coming out of the device was sometimes time-consuming due to the lack of displays.

Manufacturer-specific special parts were always necessary, which could only be obtained from appropriate service partners. Annoyed by the influence of logistics and the tedious troubleshooting on my trip planning, I began to talk more and more with other sailors about their system and compared them. Many a time I've wondered why there are sometimes extreme price differences for almost identical products or what experiments many people try to do in order to initially save money.

So, I have made it my mission to offer a product that is not an experiment in quality and installation appearance but is still available at a reasonable price.



Ocean-Spring Watermakers

Description



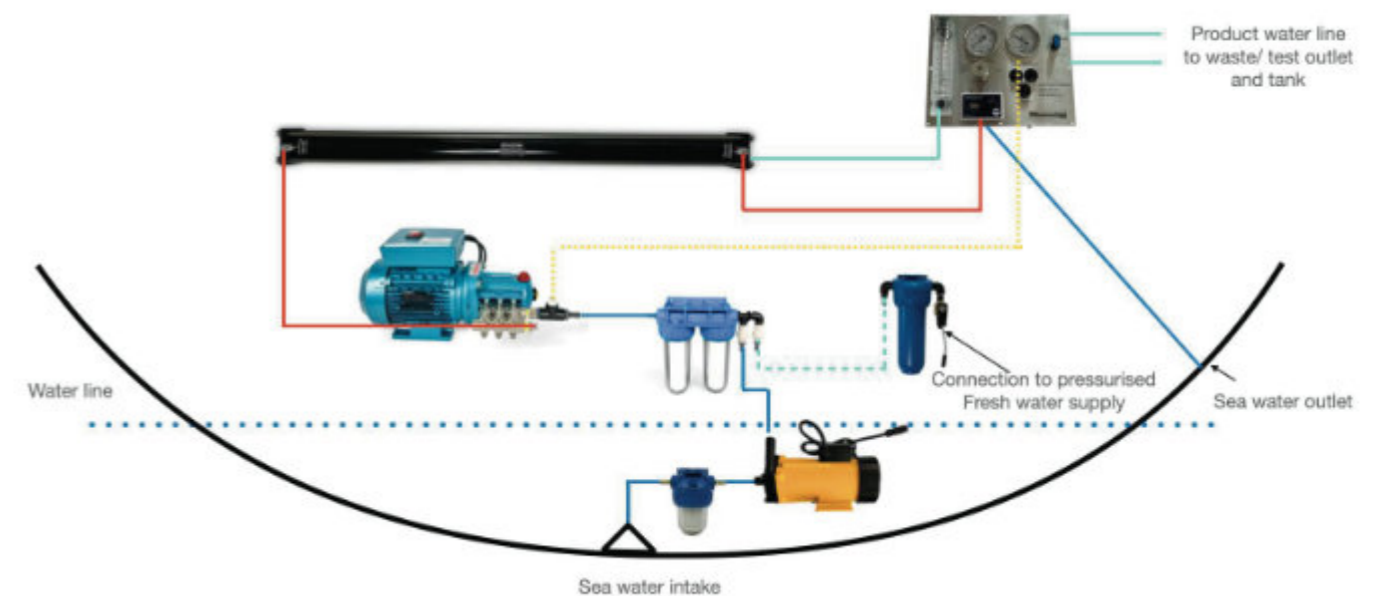
Our modular Watermakers are systems made of high-quality components such as the piston pump with stainless steel pump body from Cat Pumps, magnetic feed pumps from market leaders or Dupont Filmtec membranes.

The robust design promises many years of worry-free operation and easy maintenance. If necessary, spare parts can be procured anywhere in the world, ensuring maximum independence over many years.

All system use only of the shelf industrial components and no custom electronics. Simple and robust, yet convenient to operate.

By standard our systems are available either with 230V 50Hz AC motors or DC motors from 12 to 48 V.

System Layout



Ocean-Spring Watermakers Features and options

Features

- Magnetic feed pump - Leak-free, efficient & suitable for continuous operation.
- High pressure pump from the market leader Cat Pumps.
 - Made from SS316 and with ceramic plungers
- Control panel is a standard in our watermakers.
 - Either in SS316 or black aluminium compound
- All cables come with connectors – Plug & Play Installation!
 - 5m of cable from Junction box to control panel and to feed pump
- Only standard industrial electronic components making our watermakers simple, rugged and easy to fix anywhere.
- Compact membrane units for short & long standard size membranes.
- Complete kit includes all hoses, screws and hose clamps needed for the installation.
- 6m of high pressure hose with self assembly fittings
 - You can easily make two perfect fitting pieces without the need to coil up excess hose.



Feed pump



Junction box

Technical data

Characteristics

| | |
|---|------------|
| Operating pressure | 55 bar |
| Max. system pressure | 60 bar |
| Permissible temperature range sea water | 5°C - 45°C |
| PH range | 2 - 11 |
| Chlorine tolerance | <0.1ppm |
| Sound level measured at 1m distance | 67dB |
| Salt content product water | <500 ppm |

Ocean-Spring Watermakers Features and options

| Model | Power Supply | Power Consumption | Product water output | Membrane configuration | Weight |
|-------------|-------------------|-------------------|----------------------|------------------------|--------|
| AC 65 - 110 | 230 V AC, 50 Hz | 800 W | 65 l/h | 1 x 2540 / 2x 2521 | 42 kg |
| | | | 110 l/h | 2 x 2540 | 51 kg |
| AC 80 - 130 | 230 V AC, 50 Hz | 1200 W | 80 l/h | 1 x 2540 / 2x 2521 | 42 kg |
| | | | 130 l/h | 2 x 2540 | 51 kg |
| AC 160 -200 | 230 V AC, 50 Hz | 1800 W | 160 l/h | 2 x 2540 | 51 kg |
| | | | 200 l/h | 3 x 2540 | 60 kg |
| DC 60 | 12 / 24 / 48 V DC | 660 W | 60 l/h | 1 x 2540 / 2x 2521 | 38 kg |
| DC 120 | 24 / 48 V DC | 900 W | 120 l/h | 2 x 2540 | 49 kg |

Options

- Membrane Connection straight or 90° elbow fitting
- Control Panel in SS316 (Silver) or in Carbon
- Autoflush
 - Instead of manual operated ball valve you operate the flushing from the panel,
 - Flush is performed automatical for set time and repeated every 7 days.
- AutoTDS
 - TDS Controller instead of monitor at control panel
 - Continuous monitoring of water quality and automatic switching between waste/ tank with a solenoid valve.
 - Only with panel in carbon



Straight (left) and elbow (right) membrane connection



SS316 panel



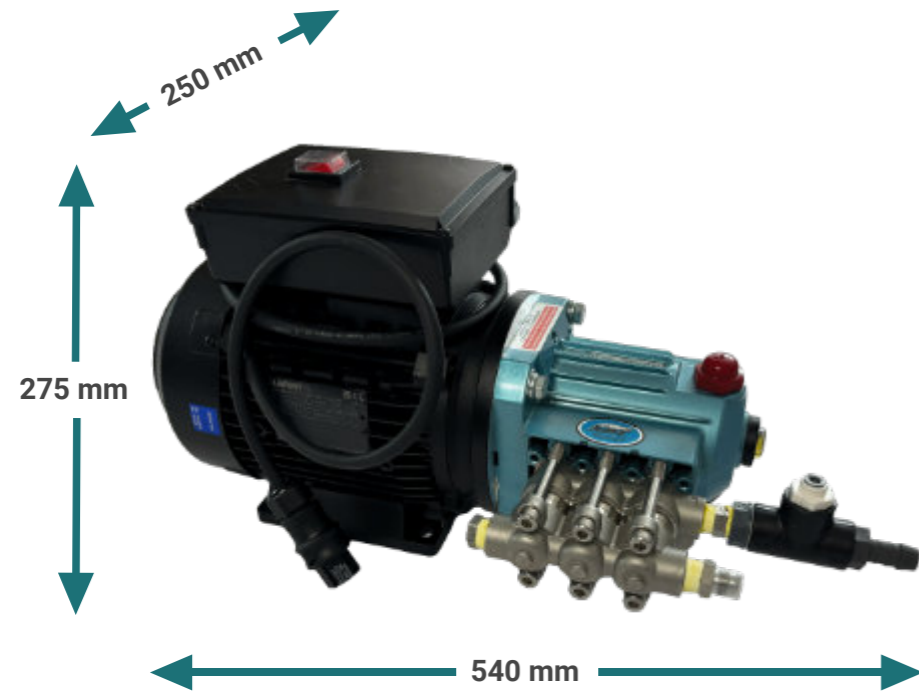
Carbon panel



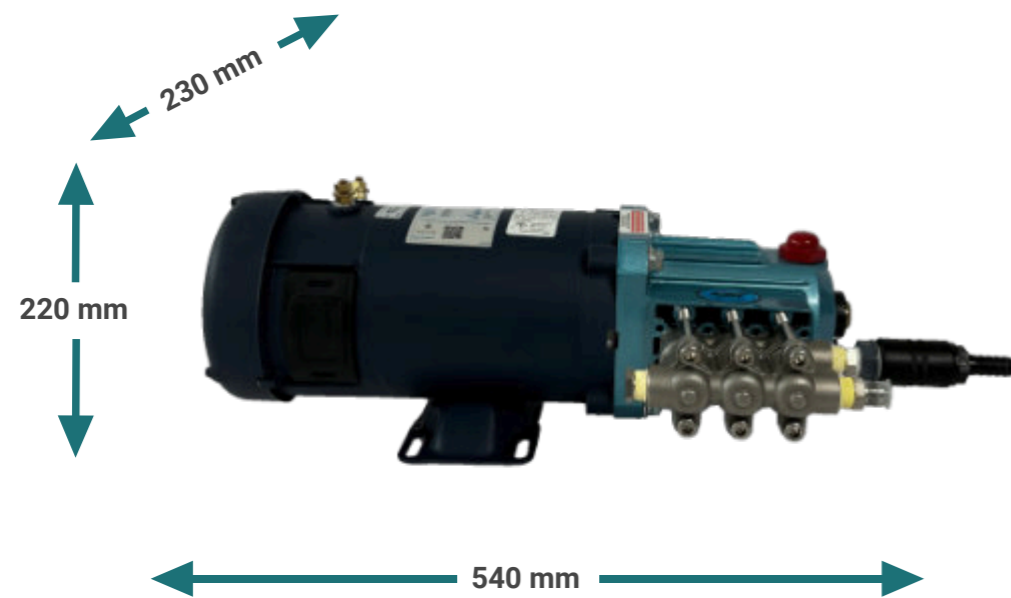
Auto TDS panel

Ocean-Spring Watermakers Dimensions

HP-Pump AC models



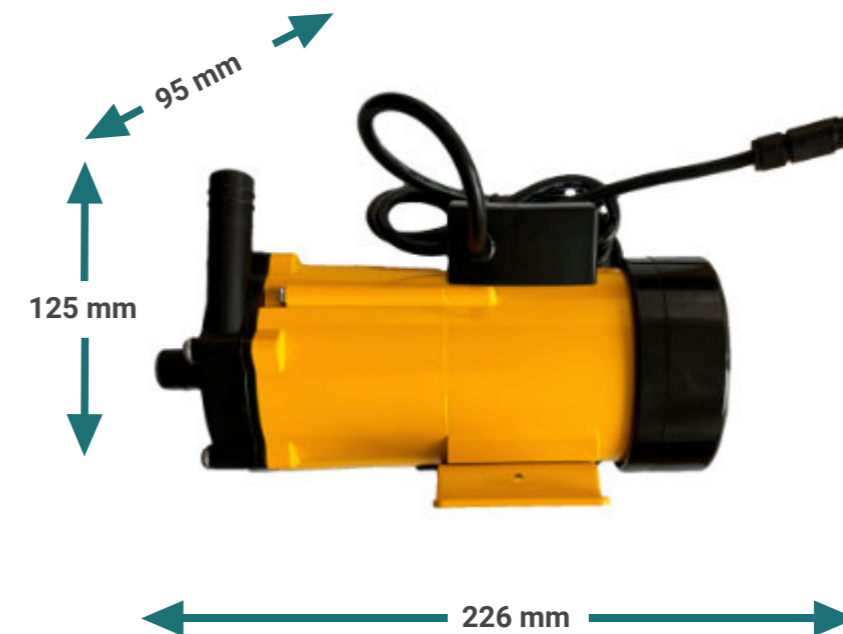
HP-Pump DC models



Feed pump DC



Feed pump AC 65/110



Ocean-Spring Watermakers Dimensions

Feed pump AC 80/130



Feed pump AC 160/200



Single membrane housing



Double membrane housing



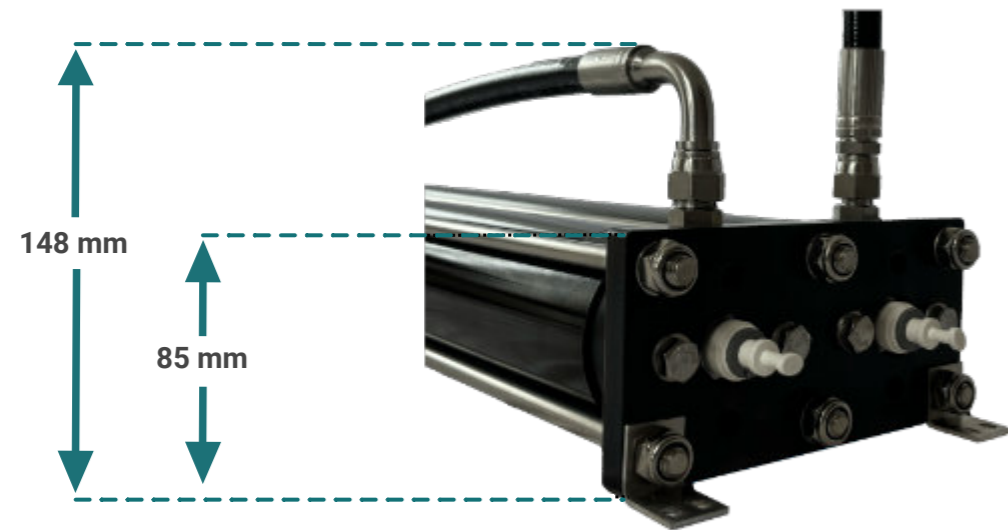
Triple membrane housing



Ocean-Spring Watermakers

Dimensions

Height of membrane housings



Coarse filter/ strainer



Active carbon filter for flushing water
(with autoflush option)

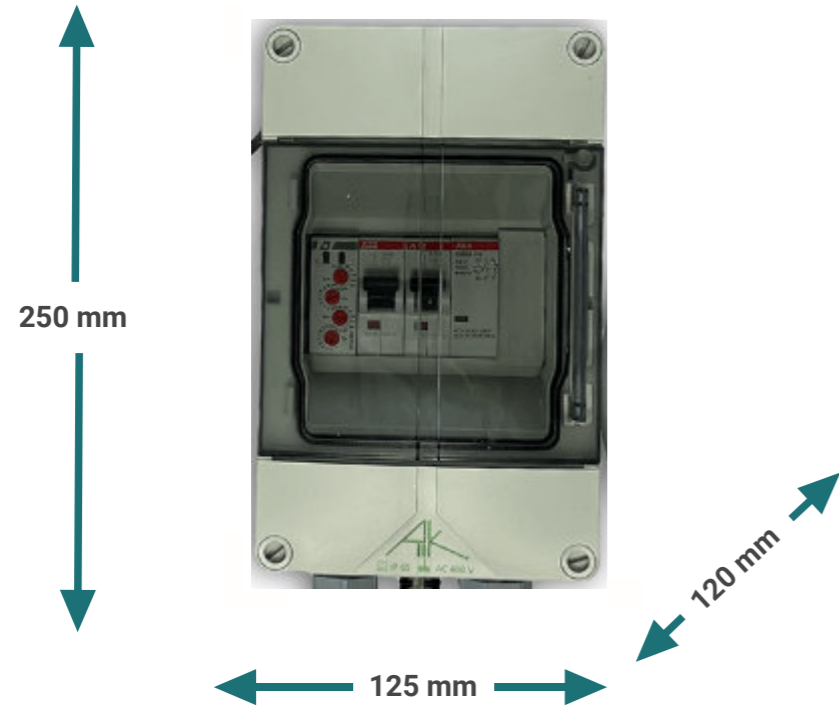


Filter housing double & single (DC60 & AC65/110)

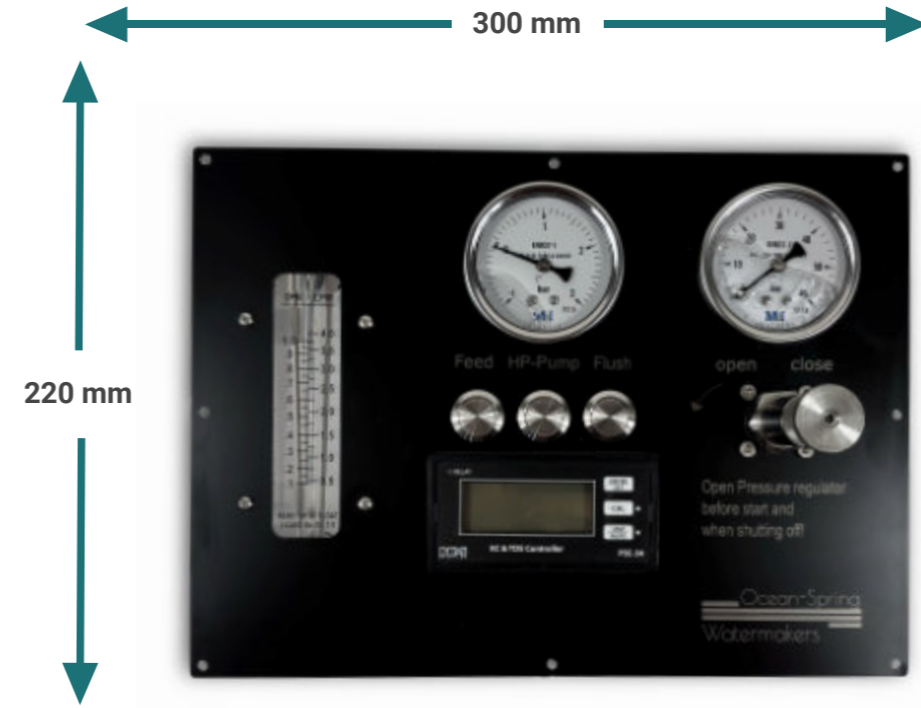


Ocean-Spring Watermakers Dimensions

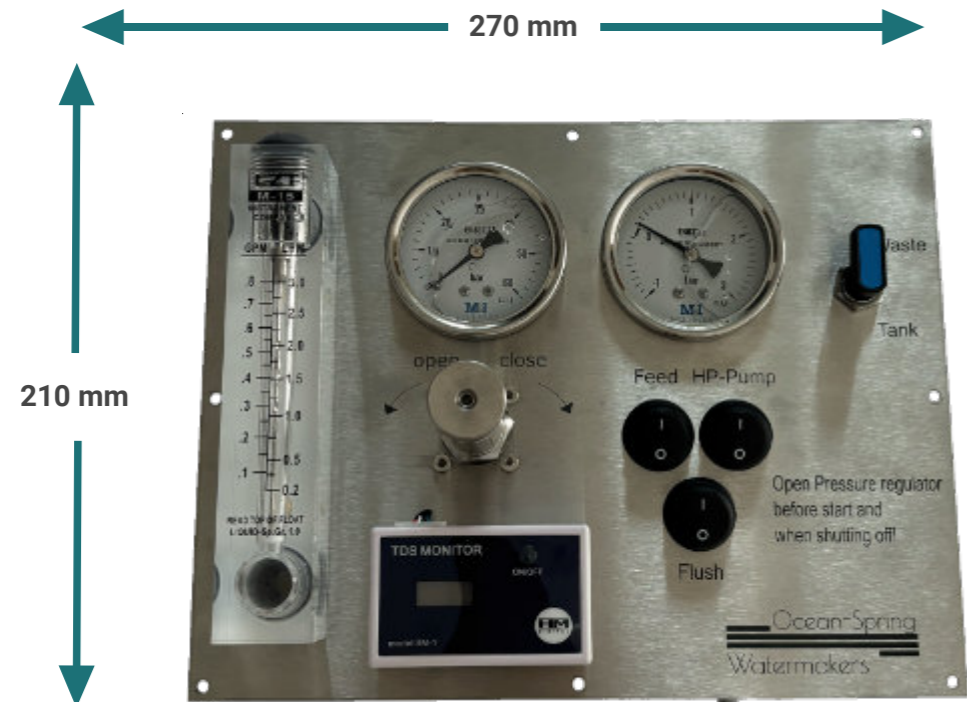
Junction box



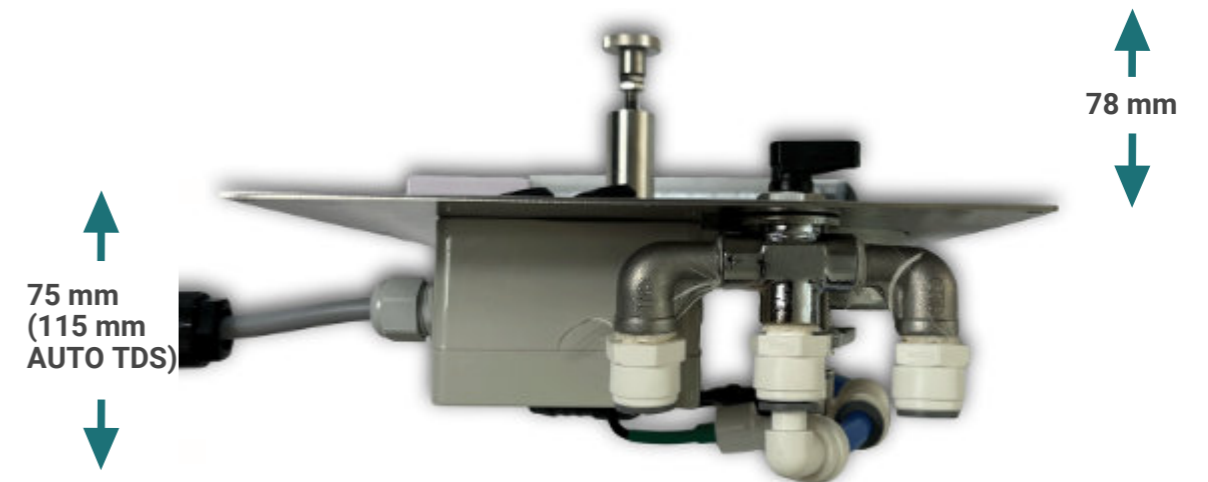
Control panel with AUTO TDS



Control panel with autoflush



Control panel side view



Ocean-Spring Watermakers Accessories for desalination systems

Membrane cleaner

Acidic Cleaner MC1 for regular maintenance of your membrane, Removing scale buildup restoring the membrane performance and reducing bad odors.



Acidic cleaner MC1

Alcalic Cleaner MC2 for keeping biological growth on your membranes in check. Reducing bad odors and also able to remove slight oil contamination.



Alcalic cleaner MC2

Filters

Fine Filters for your feed water and active carbon filters for the flushing water. Our filters offer high filtration efficiencies protecting your Watermaker in the best possible way.



Filter

Crank case oil

Original Cat Pumps Crank case oil for your HP pumps. One bottle is enough for 2 oil changes at our models.



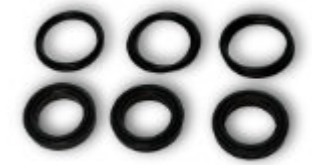
Crank case oil

Ocean-Spring Watermakers Accessories for desalination systems

Spares

Seal and valve kits for ours High pressure pumps:

- Seal kit
- Inlet valve kit
- Outlet valve kit



Seal kit



Inlet valve kit



Outlet valve kit

Tank connection equipment and fittings

We offer various fittings to connect your product water to your tanks. Just contactus for further consultation.



Tank connector



1/2" Threaded adapter



Y-Distributor

What Clients Say



Jonathan - Greece

"Hi Julian, I'm very pleased with it and also with the help and service you provided!"

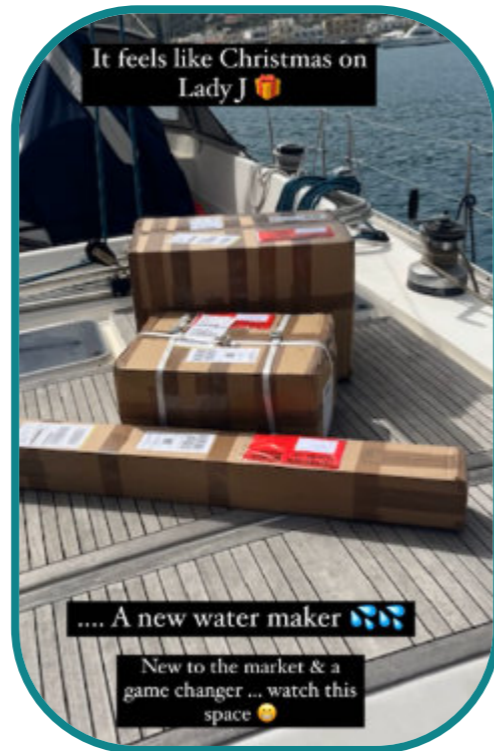


Peter - Vietnam

"The concept of a simple and rugged watermaker that we can rely on in remote places is exactly what we need for our Elcano World Challenge."

Jens - Germany

"I just installed it, everything is great. ...only top industrial components that you can get anywhere...zero electronics. Accessibility, support with questions, communication, everything was great.."



Jason - Sardinia

"Hi Julian, we are very pleased with the Ocean-Spring Unit you supplied. It was easy to install and simple to operate. Thank you for your dedicated support throughout. Jason"



Ocean-Spring Watermakers Contact

Ocean-Spring Watermakers e.K.

Gartenstr. 95/3

73430 Aalen Germany

HRA 728642, Amtsgericht Ulm

Business owner: Julian Schlichtenmayer

E-Mail: shop@ocean-spring.de

Phone: +49 1515 0531832

Web: www.os-watermakers.com

Notes

The logo for Ocean-Spring Watermakers features the text "Ocean-Spring" in a white, sans-serif font, positioned above three horizontal white bars. Below the bars, the word "Watermakers" is written in the same font. A small white bar is also located to the right of the word "Watermakers".

Ocean-Spring
Watermakers

*By Sailors, for sailors
Watermakers you can rely on!*