



TECNICOMAR[®]

WATERMAKERS - SEWAGE TREATMENT PLANTS

Reverse Osmosis Watermakers



GENERAL CATALOG
MARINE & OFFSHORE
GENERAL INDEX



ITALIAN TECHNOLOGY ALL OVER THE WORLD

LEADER PROVIDER OF MARINE EQUIPMENT



EXPERIENCE SINCE 1978
IN CUSTOMER-ORIENTED INNOVATION
COUPLED WITH SKILLED CRAFTSMANSHIP



TECNICOMAR®

WATERMAKERS - SEWAGE TREATMENT PLANTS

TABLE OF CONTENTS

Our mission	4
Customized systems	4
Certifications	5
Our history	6
REVERSE OSMOSIS WATERMAKERS	9
Standard equipments	10
Optionals	11
Special green series	11
SW8	12
SW8D	14
STDC SY	16
BICOMPACT	18
SAILOR SPECIAL COMPACT	20
SAILOR COMPACT	22
ESSENTIAL	24
MINIMAR	26
OASI	28
ULTRAPUR	30
WATER TREATMENT ACCESSORIES	32
TFD FILTER	34
BFS FILTERS	36
ACTIVATED CARBON FILTERS	38
CALCITE FILTERS	39
ANTISCALANT DOSING SYSTEMS	40
SILVER ION DOSING SYSTEM	41
CHLORINE DOSING SYSTEMS	41
WATER SOFTENERS	42
UV STERILIZERS	44
STAINLESS STEEL UV PRO STERILIZERS	45
WATER PURIFIERS	47
WATER TREATMENT SYSTEMS	48
CHILLERS + CARBONATORS	49
REFERENCES	50



ITALIAN TECHNOLOGY ALL OVER THE WORLD

LEADER PROVIDER OF MARINE EQUIPMENT

FOR MORE THAN 40 YEARS, OUR MISSION HAS BEEN TO PROVIDE SUITABLE SOLUTIONS FOR DRINKING WATER ON BOARD AND ON LAND.

Founded in 1978 in Marsala (TP) by Francesco De Vita, it quickly became a leading company in the design and construction of reverse osmosis watermakers and water treatment systems, in the nautical, offshore, oil & gas, industrial and residential sectors.

Since then, Tecnicomar has built a solid reputation as an international reference point and at the forefront, thanks to a vast range of products that satisfy every need for drinking water, designed for maximum reliability, efficiency and convenience,

through green technology, to offer up to 60% more fresh water with 35% lower energy consumption. Today Tecnicomar distributes its high-quality systems worldwide, through a widespread and qualified sales network, always available for technical assistance to its customers, wherever they are. In over 40 years of activity, Tecnicomar has obtained a vast series of certifications, including ISO 9001:2015 and ISO 45001:2018, which highlight the commitment, reliability and high efficiency of the company management system.

CUSTOMIZED SYSTEMS

Tecnicomar designs and builds reverse osmosis watermakers and water treatment systems capable of meeting the specific needs of each customer. High-quality components, high performance in continuous operation even in particularly difficult environmental conditions and customized con-

figurations: these are the main characteristics of Tecnicomar products.

A team of excellent engineers and technicians works on the design of products made with high technology to meet the increasingly specific needs of our international clientele.



CERTIFICATIONS

Throughout more than forty years of activity, Tecnicomar has built a strong track record of growth and reliability, earning key certifications issued by internationally recognized bodies such as DNV. These include the Quality Management Certification ISO 9001:2015, the Occupational Health and Safety Certification ISO 45001:2018, and most recently, the Environmental Management Certification ISO 14001:2015.

The latter is a particularly meaningful achievement: the adoption of an environmental management system compliant with ISO 14001:2015 demonstrates the company's concrete commitment to sustainability and environmental protection. This strategic choice strengthens corporate reputation, facilitates access to new markets, and enhances relationships with all stakeholders – including customers, suppliers, and regulatory authorities.



OUR HISTORY

1978

Francesco De Vita founded Tecnicomar, with the objective of designing and building reverse osmosis watermakers and water purifiers for nautical, industrial and domestic applications.



1985

Created to expand the presence on the territory and strengthen the service in the nautical sector, the office supports customers and shipyards with advanced technical solutions and specialized assistance.

1990

With the new General Manager Tommaso De Vita, the company strengthens its presence in international markets and optimizes quality standards.

2004

Tecnicomar introduces a new product line: ECOmar, a system for wastewater treatment that complies with international IMO/MARPOL standards and is accepted by the US Coast Guard



2001

After achieving maximum reliability in its products, Tecnicomar was awarded the Quality Certification UNI EN ISO 9001:2000



2008

Tecnicomar inaugurates the new production facility for greater productivity, on a surface of 4,500 covered square meters.



2014

Tecnicomar, driven by innovative products, the result of continuous technological research and thanks to a widespread distribution and technical assistance network, extends its international presence to over 40 countries worldwide. In addition to the Quality Certification UNI EN ISO 9001:2000, the company obtains the Safety Certification OHSAS 18000:2007 and the FPAL Certification in the OIL&GAS sector.



2016

Tecnicomar begins construction of a new facility of 3,000 square meters of surface dedicated to the production of reverse osmosis watermakers and large customized plants. Laura De Vita becomes in March 2016 the Sole Administrator & General Manager of Tecnicomar S.p.A





2019

Tecnicomar, always close to the most particular market needs, announces the launch of a new product: ECOMar S. The new series offers numerous advantages and is supplied with an approval certificate compliant with IMO/MARPOL MEPC 227 (64) regulations, including paragraph 4.2.



2021



Joined the Tecnicomar team in 2007, Giuseppe Mezzapelle has held key roles within the sales department and in human resources management. Since 2021 he officially holds the position of Executive, contributing with experience and strategic vision to the company's growth.

2020



Tecnicomar is certified ISO 9001 and 45001 to guarantee quality, safety and processes compliant with international standards in respect of customers and workers.



2021

ECOMar SX is born, the latest frontier for onboard purification. It is an innovative black and gray water treatment system, suitable for any type of boat. It is characterized not only by its reliability, but also by its highly compact structure. This allows easy installation even in small spaces. Certified according to recent IMO MARPOL MEPC.227 (64) Resolutions.

2025

With the new modern and functional facility, built on an area of 13,300 square meters, Tecnicomar reaches a total surface of 27,575 square meters dedicated to production and innovation.



2025



Achievement of ISO 14001:2015 Certification. A significant step towards sustainability: the implementation of an ISO 14001:2015 certified environmental management system that reinforces Tecnicomar's commitment to environmental protection and responsible innovation.





TECNICOMAR®
WATERMAKERS - SEWAGE TREATMENT PLANTS

Reverse osmosis watermakers



STANDARD EQUIPMENT

Standard equipment represents the standard equipment of Tecnicomar watermakers, designed to guarantee high performance, reliability and ease of use. Each model is equipped with certified components and advanced technologies, designed to face the most extreme conditions, offering robust and durable solutions for every need.

STANDARDS AND REGULATIONS

- Compliant with Offshore and Defense standards for electrical and mechanical components.
- Fiberglass reinforced vessel, A.S.M.E. certified, for Essential, Sailor Special 2/44 and 3/44, STDC SY and SW8 watermakers. Filmtec/Dow reverse osmosis membranes with high chemical resistance, spiral wound, in thin composite film. Compliant with FDA, NSF and ANSI standards.

EXTREME RESISTANCE

- Designed for operation in extreme conditions.
- CAT high-pressure pump with solid ceramic pistons and AISI 316L stainless steel pump body designed for continuous service. Duplex and super duplex high-pressure pump for high salinity water.
- Tropicalized motor with low electrical consumption and high resistance in high temperature environments.
- Bronze feed pump, highly resistant to corrosion. Available in AISI 316L stainless steel on request.
- Delayed start of the high-pressure pump to avoid overload during system startup.

ADVANCED COMPONENTS

- Double pre-filter with reusable high-flow filtration cartridges of 30 and 5 microns, with reduced maintenance.
- CAT high-pressure pump with solid ceramic pistons and AISI 316L stainless steel pump body designed for continuous service. Duplex and super duplex high-pressure pump for high salinity water.
- Direct motor-pump coupling system with dampers to reduce vibrations and noise.
- Compact frame in AISI 316L stainless steel, with protective anti-corrosion paint.
- Pressure and vacuum gauges in AISI 316L stainless steel, glycerin-filled.
- Manual three-way valve for simple membrane flushing.
- High-pressure tubes and fittings in AISI 316L stainless steel. On request, duplex and super duplex for special applications.
- Electronic control of produced water quality with automatic overboard deviation when quality does not reach preset values.
- Operating hour meter for simple routine maintenance scheduling.
- Operating information and alarms available for system monitoring.
- Complete installation kit, with tubes and fittings.
- Low-pressure circuit in AISI 316L stainless steel for special applications.

OPTIONALS

Optionals expand the functionality of Tecnicomar watermakers, adapting them to specific needs and particular contexts of use. These accessories include innovative solutions to optimize efficiency, improve the quality of produced water and extend the useful life of the system, ensuring maximum customization and versatility.

1. ADVANCED FILTRATION

- Bronze seawater inlet filter to prevent clogging of filters and filter cartridges from coarse marine debris.
- TFD semi-automatic self-cleaning pre-filter based on vortex effect obtained through a propeller at the filter inlet, to prevent clogging of filter elements from coarse marine debris.
- Sand filter to reduce the level of suspended solids in feed water. Oil/water separator filter: removes oily impurities for greater purity.
- Activated carbon de-chlorinator filter to remove sediments and excess chlorine from water and to improve taste and remove odor before consumption.

2. MEMBRANE PROTECTION AND MAINTENANCE

- Anti-scaling dosing system to prevent scale formation on membranes and avoid premature replacement.
- Membrane cleaning and flushing system to extend membrane life.

3. WATER QUALITY

- Mineralizer filter to regulate the pH value of produced water.

- UV sterilizers, available with flow control device in case of system alarm.
- Automatic dosing systems for water sterilization with chemicals.

4. ENERGY EFFICIENCY AND PERFORMANCE

- Energy recovery system for lower energy consumption and higher performance.
- Heating system, through electric resistance and/or heat exchanger, to reach the preset temperature of seawater and drinking water.

5. SPECIFIC ADAPTATIONS

- Reverse osmosis plants: for production of fresh and technical water.
- Modular customization: optimizes small spaces.
- Containerized package: integrated solutions for transport and installation.
- Military equipment: designed for special uses and operations in extreme conditions.
- Noise and vibration tests: ensure silent and stable operation.

SPECIAL GREEN SERIES

The new Tecnicomar ECO Watermakers produce up to 60% more fresh water and consume up to 35% less energy, compared to other watermakers of the same size!



SW8

The SW8 series is designed to produce high quantities of fresh water starting from 1.25 m³/hour. Ideal for use in Offshore platforms, Jack-up platforms, passenger ships, military and merchant vessels, SW8 watermakers are made of high-quality components that adapt perfectly to marine applications, ensuring high performance in continuous operation even in particularly difficult

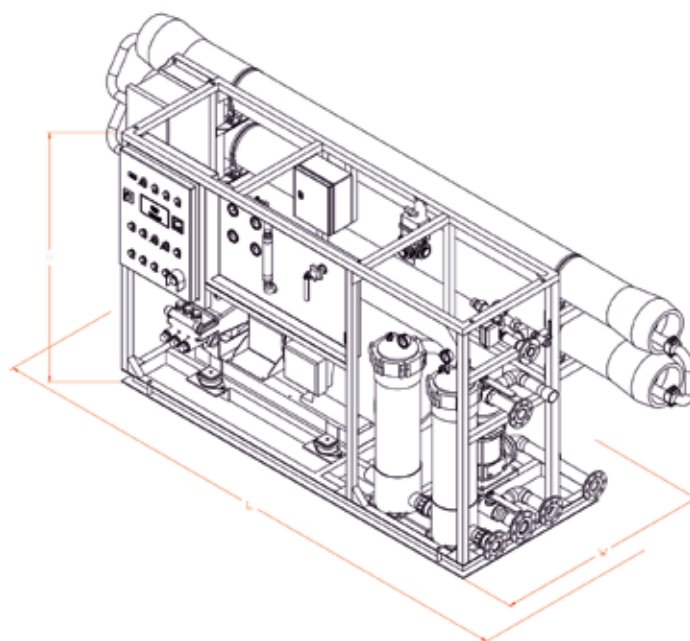
environmental conditions. It is equipped with an energy recovery system that allows a significant reduction in consumption and an increase in efficiency and have an electromechanical control panel that ensures maximum operational reliability in any condition of use. The high-pressure vessels made of reinforced fiberglass are ASME approved.



SW8-50



SW8-100



TECHNICAL DATA

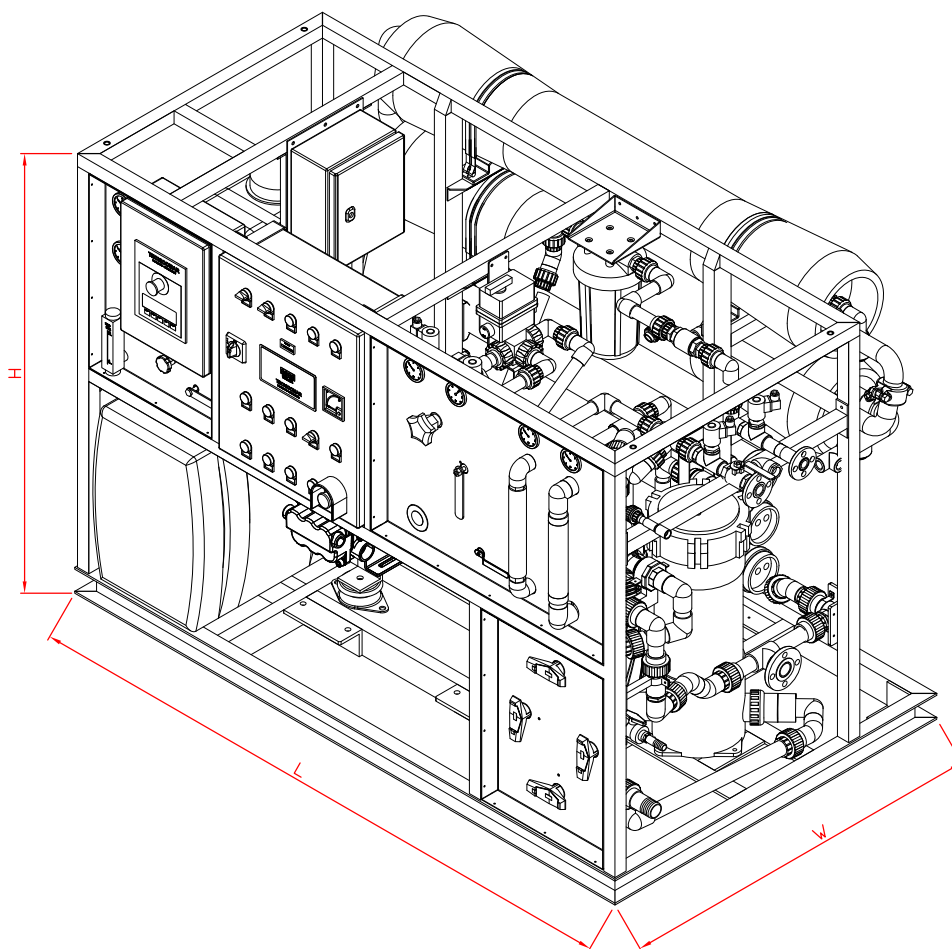
Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Power supply (Volt) Frequency (Hz) Installed Power (kW)	Max dimensions -W x D x H- (mm)	Weight (kg)
SW8-30	1250 / 330	30000 / 7290	50/60 Hz 3-phase* - 15 kW	1930 x 1150 x 1360	300
SW8-50	2100 / 555	50400 / 13320	50/60 Hz 3-phase* - 18.5 kW	1930 x 1150 x 1360	360
SW8-60	2500 / 660	60000 / 15840	50/60 Hz 3-phase* - 18.5 kW	2050 X 1067 X 1443	930
SW8-75	3000 / 792	72000 / 19008	50/60 Hz 3-phase* - 22 kW	2050 X 1067 X 1443	1010
SW8-100	4000 / 1056	96000 / 25344	50/60 Hz 3-phase* - 30 kW	4000 X 950 X 1380	1070
SW8-150	6000 / 1585	144000 / 39474	50/60 Hz 3-phase* - 37 kW	4930 X 950 X 1380	1460
SW8-250	10000 / 2642	240000 / 63408	50/60 Hz 3-phase* - 55 kW	5950 X 950 X 1380	2000
SW8-∞	PLANNED ON DEMAND - UNLIMITED PRODUCTION				

*other voltages and frequencies available on demand

SW8D

Tecnicomar reverse osmosis demineralizers are designed for the production of demineralized water by directly treating seawater. Ideal for use on offshore platforms, jack-up rigs, passenger ships, military vessels, and merchant vessels, SW8D demineralizers are made of high-quality components that are perfectly suitable for marine applications, ensuring high performance and continuous operation in any environmental

conditions. They are equipped with a recovery system that significantly reduces consumption and increases efficiency, and feature a control panel that ensures maximum operational reliability under all operating conditions. The high-pressure vessels, made of reinforced fiberglass, are ASME approved.





DATI TECNICI

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Power supply (Volt) Frequency (Hz) Installed Power (kW)	Max dimensions -W x D x H- (mm)	Weight (kg)
SW8D-2	90 / 24	2000 / 530	50 / 60 Hz 3-phase - 9.5 kW	2500 x 960 x 1050	490
SW8D-4	170 / 45	4000 / 1060	50 / 60 Hz 3-phase - 9.5 kW	2500 x 960 x 1050	505
SW8D-6	250 / 66	60000 / 15840	50/60 Hz 3-phase - 18.5 kW	2700 x 1150 x 1250	550
SW8D-8	340 / 90	8000 / 2120	50 / 60 Hz 3-phase - 12 kW	2700 x 1150 x 1350	570
SW8D-10	417 / 110	10000 / 2642	50 / 60 Hz 3-phase - 19.5 kW	2060 x 1220 x 1370	1250
SW8D-15	625 / 165	15000 / 3963	50 / 60 Hz 3-phase - 19.5 kW	2060 x 1220 x 1370	1250
SW8D-30	1250 / 330	30000 / 7925	50 / 60 Hz 3-phase - 30 kW	3200 x 1220 x 1370	1300
SW8D-50	2100 / 555	50000 / 13209	50 / 60 Hz 3-phase - 38 kW	4200 x 1220 x 1600	1400
SW8D-100	4200 / 1110	100000 / 26417	50 / 60 Hz 3-phase - 44 kW	6060 x 1400 x 1650	2100

STDC SY

STDC series watermakers are automatic reverse osmosis systems ideal for the production of large quantities of fresh water from seawater. The STDC Special Green series is highly reliable and is designed for continuous operation in extreme conditions of high and low temperatures and vibrations. STDC watermakers can be customized for specific needs and are mounted on a robust stainless

steel frame. They have an electromechanical control panel with display that allows management of all functions intuitively. In case of temporary failure, they can work in manual mode.

The high-pressure vessels made of reinforced fiberglass are ASME approved.

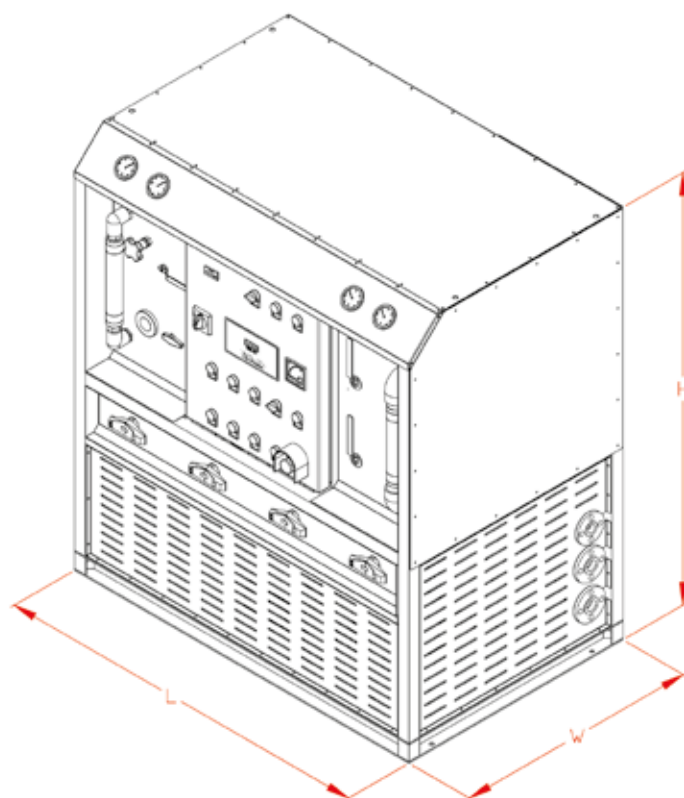


STDC SY 6000

CONFIGURATION

Assembled on frame with the following components:

- SEAWATER STRAINER FILTER
- FEED PUMP
- SEDIMENT FILTER
- CARTRIDGE PRE-FILTRATION GROUP
- ANTISCALANT DOSING SYSTEM
- HIGH-PRESSURE MOTOR-PUMP GROUP
- HIGH-PRESSURE VESSEL GROUP
- COMMAND AND CONTROL PANEL
- ACTIVATED CARBON POST-FILTER
- MEMBRANE WASHING AND FLUSHING SYSTEM



TECHNICAL DATA

Model	Production by hour (litres / gallons)	Production per day (litres / gallons)	Power supply (Volt) Frequency (Hz) Installed Power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
STDC SY 3000	600 / 158	14400 / 3805	50/60 Hz 3-phase* - 5.5 kW	1250 x 800 x 1520	425
STDC SY 4500	800 / 211	19200 / 5073	50/60 Hz 3-phase* - 5.5 kW	1250 x 800 x 1520	445
STDC SY 6000	1000 / 264	24000 / 6340	50/60 Hz 3-phase* - 7.5 kW	1250 x 800 x 1520	465

*other voltages and frequencies available on demand

BICOMPACT

BiCompact is a duplex reverse osmosis watermaker composed of two independent systems on a solid stainless steel structure. This space and energy saving solution is the mandatory choice when there is an increase in fresh water demand or occasionally, during weekends or high season, as the systems can work simultaneously or autonomously.

Each unit is completely automatic but can work in manual mode, if necessary.

The high reliability and flexibility of the watermaker make it suitable

for both military vessels and superyachts.

The electronic management control unit allows control of all functions with absolute simplicity, from the main display or through remote control (optional).

The carbon fiber vessels, lightweight and resistant, are installed on the upper part of the plant on a tilting frame for easy maintenance and, if necessary, can be easily removed and installed separately.

Plant prepared to be equipped with automatic membrane flushing system.



STANDARD CARBON FIBRE VESSELS



BICOMPACT S6/40

CARBON FIBER MEMBRANE GROUP ON TILTING FRAME

ACCESSORIES



7" LCD touch-screen display - Optional



Filter for automatic membrane flushing - Optional



TCC-SL 10 mineralizer filter - Optional



TCA-SL 10 activated carbon filter - Optional

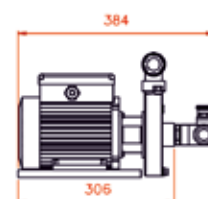
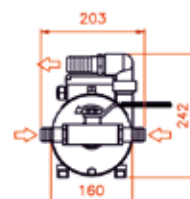
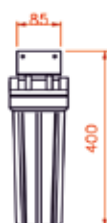
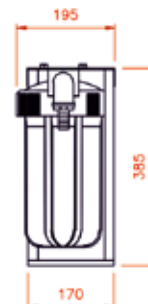
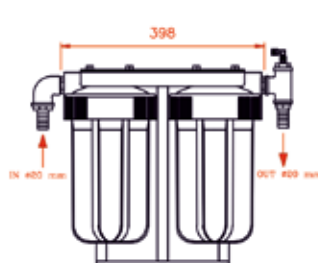
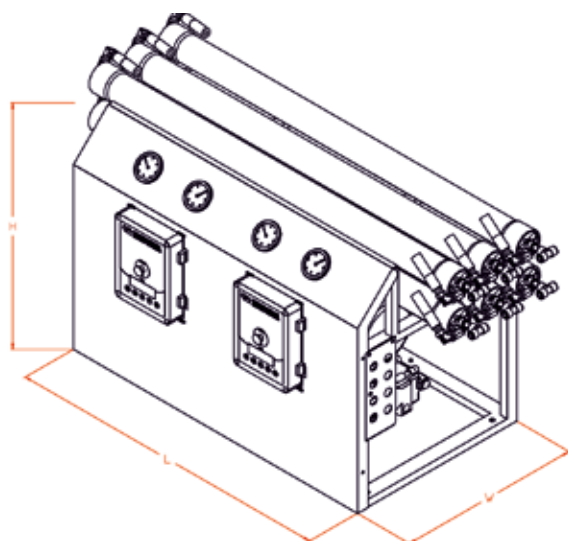


CDMAR-3 remote control - Optional

MODBUS protocol available - Optional

CONFIGURATION

- EASY TO USE
- FULLY AUTOMATIC
- LOW NOISE
- ONE-TOUCH TECHNOLOGY
- HIGH PRODUCTION



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Voltage (Volt) / Frequency (Hz) Installed Power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
BICOMPACT S 6/21	320 / 85	7680 / 2029	50/60 Hz 3-phase* - 2x2,2 kW	763 x 480 x 590	120
BICOMPACT S 4/40	500 / 131	12000 / 3162	450/60 Hz 3-phase* - 2x4 kW	1190 x 525 x 590	124
BICOMPACT S 6/40	700 / 184	16800 / 4426	50/60 Hz 3-phase* - 2x4 kW	1190 x 525 x 590	130

*other voltages and frequencies available on demand.

SAILOR SPECIAL COMPACT

The Tecnicomar Sailor Special Green series was designed with the objective of reducing the energy demand per liter/gallon of fresh water produced.

Thanks to an overall improvement process and the installation of highly innovative membranes, the system allows energy savings of 35% compared to conventional reverse osmosis plants. It is equipped with a microprocessor that controls all functions and sensors.

The one-touch system can be switched to manual operation, if necessary.

Tecnicomar Sailor Special Green stands out for its ease of use and high quality of its components, such as the stainless steel high-pressure pump with ceramic piston, the powder-coated stainless steel frame, FDA-compliant filters and ASME-certified fiberglass high-pressure vessels.

The standard configuration is full-optional ready for installation, with automatic pressure regulation device and installation kit. On request, it can be supplied with an automatic membrane flushing system and remote control.



SAILOR SPECIAL 3/44



SAILOR SPECIAL COMPACT 3/40



SAILOR SPECIAL COMPACT 3/21



FEED PUMP

ACCESSORIES



7" LCD touch-screen display - Optional



Filter for automatic membrane flushing - Optional



TCC-SL 10 mineralizer filter - Optional



TCA-SL 10 activated carbon filter - Optional

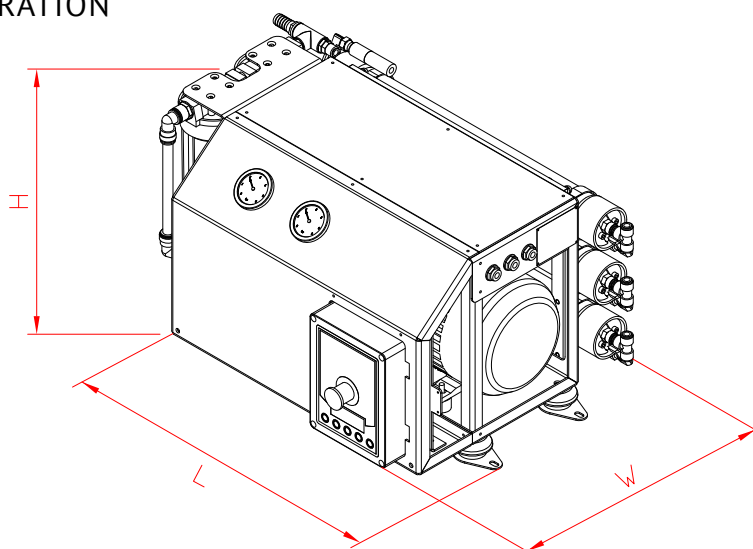
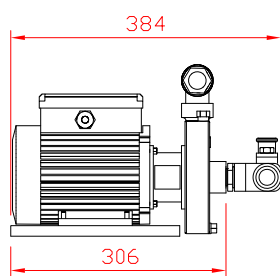
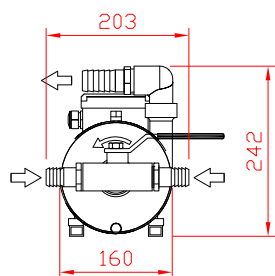


CDMAR-3 remote control - Optional

MODBUS protocol available - Optional

CONFIGURATION

- EASY TO USE
- FULLY AUTOMATIC
- LOW NOISE
- ONE-TOUCH TECHNOLOGY
- ALSO AVAILABLE IN MODULAR CONFIGURATION



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Voltage (Volt) / Frequency (Hz) Installed Power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
SAILOR SPECIAL 2/21	100 / 28	2400 / 634	50/60 Hz single/3-phase* - 2.2 kW	750 X 520 X 360	52
SAILOR SPECIAL 3/21	160 / 42	3840 / 1024	50/60 Hz single/3-phase* - 2.2 kW	750 X 520 X 360	55
SAILOR SPECIAL 2/40	250 / 66	6000 / 1585	50/60 Hz 3-phase* - 3 kW	1170 X 520 X 360	64
SAILOR SPECIAL 3/40	350 / 92	8400 / 2219	50/60 Hz 3-phase* - 3 kW	1170 X 520 X 360	68
SAILOR SPECIAL 2/44	600 / 158	14400 / 3794	50/60 Hz 3-phase* - 5.5 kW	1270 X 600 X 440	95
SAILOR SPECIAL 3/44	800 / 210	19200 / 5059	50/60 Hz 3-phase* - 5.5 kW	1270 X 600 X 600	110

*other voltages and frequencies available on demand.

SAILOR COMPACT

Sailor Compact is the ideal reverse osmosis watermaker for all sailing or motor boats as well as superyachts and boats that require a modest amount of fresh water and the comfort of a one-touch system controlled by a microprocessor that can be switched to manual operation, if necessary.

Sailor Compact stands out for its ease of use and high quality of its components, such as the stainless steel high-pressure pump with ceramic piston, the ultra-lightweight powder-coated aluminum frame and

TUV-certified carbon fiber vessels, lightweight and resistant.

The standard configuration is full-optional ready for installation, with automatic pressure regulation device and installation kit. On request, the plant can be supplied with an automatic membrane flushing system. Available in two configurations for easy installation: compact and modular (Slim) for installation in small spaces.



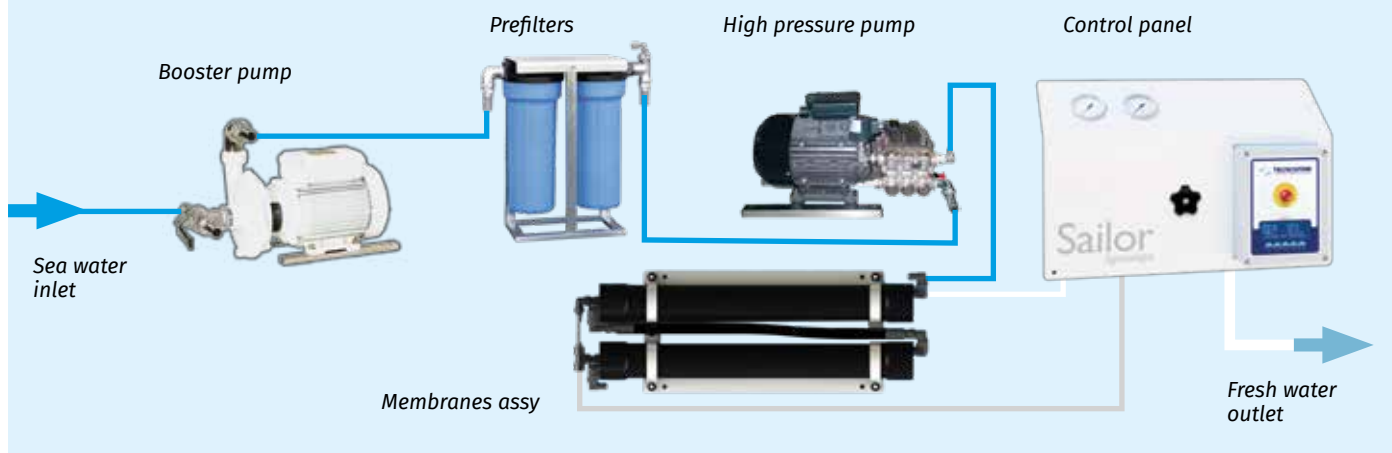
FEED PUMP

SAILOR COMPACT 600



SAILOR COMPACT SLIM 1500

SLIM CONFIGURATION

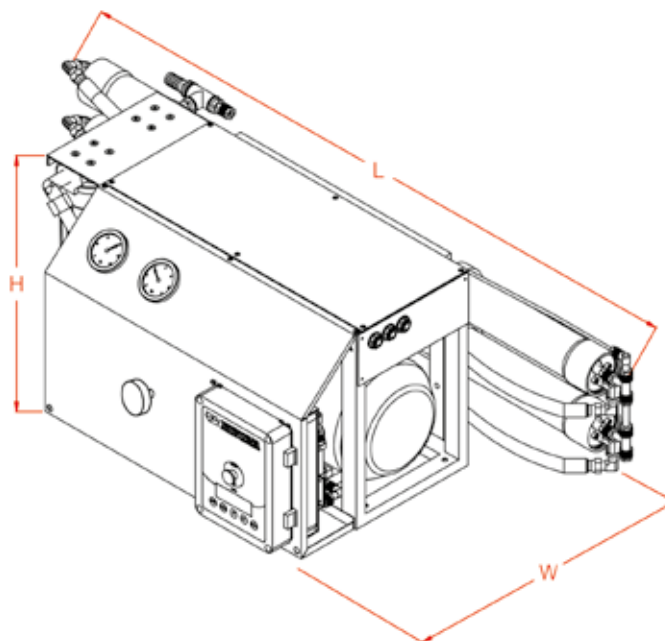


CONFIGURATION

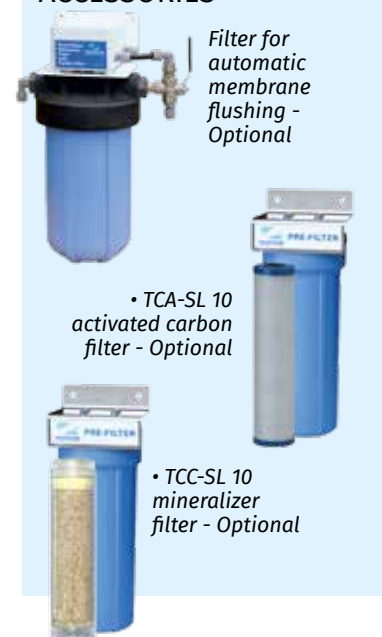
- FULLY AUTOMATIC
- LOW NOISE
- ONE-TOUCH TECHNOLOGY
- ALSO AVAILABLE IN MODULAR CONFIGURATION



STANDARD CARBON FIBRE VESSELS



ACCESSORIES



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Voltage (Volt) / Frequency (Hz) Installed Power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
SAILOR COMPACT 400	70 / 18.5	1680 / 443	single/3-phase 50/60 Hz* - 1.1 kW	750 X 520 X 360	52
SAILOR COMPACT 600	100 / 26.4	2400 / 634	single/3-phase 50/60 Hz* - 1.1 kW	750 X 520 X 360	55
SAILOR COMPACT 1000	160 / 42.2	3840 / 1014	single/3-phase 50/60 Hz* - 2.2 kW	1170 X 520 X 360	64
SAILOR COMPACT 1500	220 / 58.1	5280 / 1395	single/3-phase 50/60 Hz* - 2.2 kW	1170 X 520 X 360	68

*other voltages and frequencies available on demand.

ESSENTIAL

Essential is a reverse osmosis water-maker that is very easy to use, reliable and resistant, suitable for those who want a compact system for producing drinking water on board. It is also available in Slim configuration, with individual components, for easy installation in small spaces.

The compact version has a solid powder coated structure and membrane containers that can also be installed separately. The automatic membrane flushing system is available on request, as well as different voltages and frequencies.



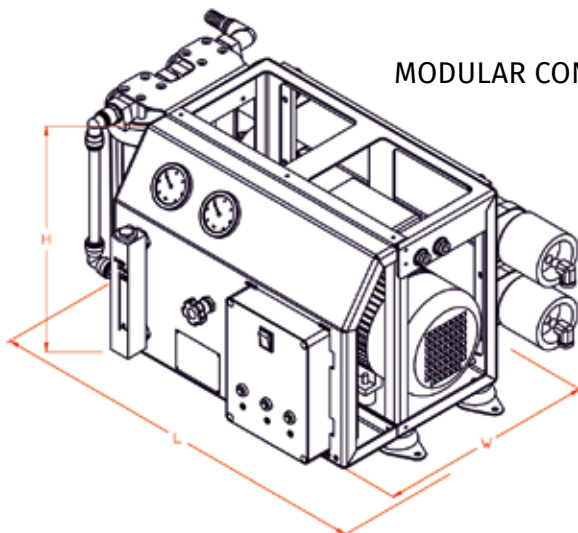
ESSENTIAL 400



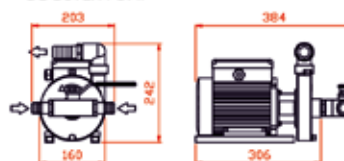
ACCESSORIES



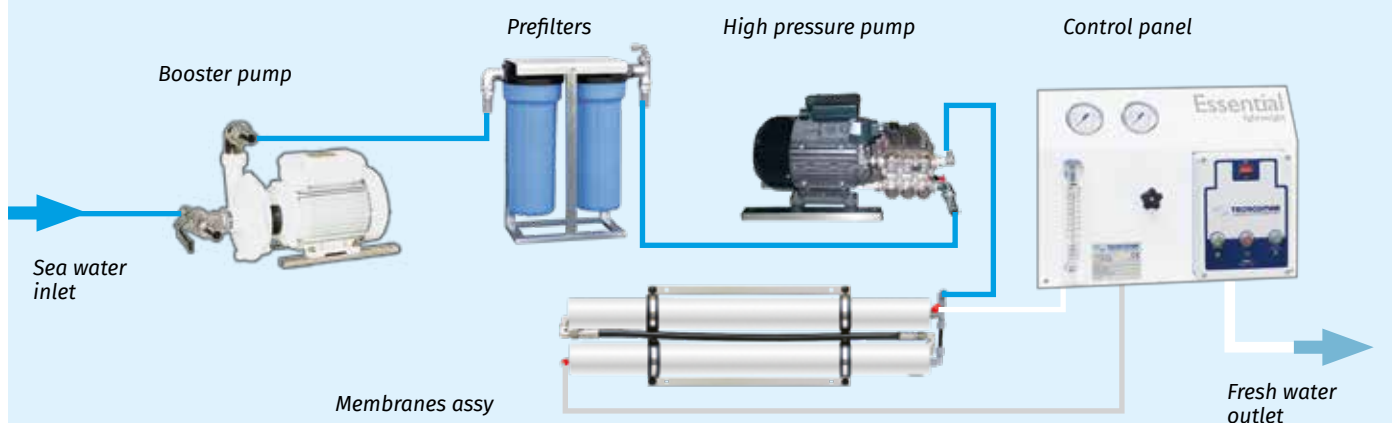
MODULAR CONFIGURATION



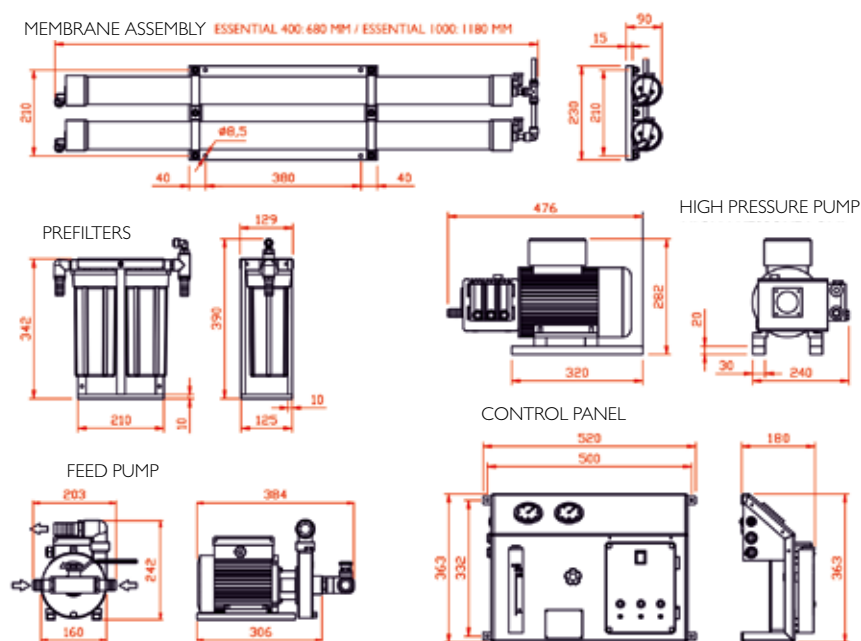
BOOSTER PUMP



SLIM CONFIGURATION



SLIM CONFIGURATION



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Voltage (Volt) / Frequency (Hz) Installed Power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
ESSENTIAL 400	100 / 26.6	2400 / 639	single/3-phase 50/60 Hz* - 1.8 kW	680 X 406 X 260	43
ESSENTIAL 1000	160 / 42	3840 / 1014	single/3-phase 50/60 Hz* - 1.8 kW	1180 X 406 X 260	49

*other voltages and frequencies available on demand.

MINIMAR

MINIMAR plants are the ideal choice when energy and available space are limited on a sailing or motor boat. They can be powered by batteries connected to wind or photovoltaic generators, without the need for an electric generator, and leave you free from constraints, inconveniences and costs of drinking water supply in tourist places.

MINIMAR presents ease of use, quality of components (such as the

stainless steel structure, high-pressure fittings, FDA-approved membranes and filters and lightweight and resistant carbon fiber vessels). On request, it can be supplied with automatic membrane flushing and electronic control panel, as well as with an activated carbon filter to improve the quality of produced water.



STANDARD CARBON FIBRE VESSELS

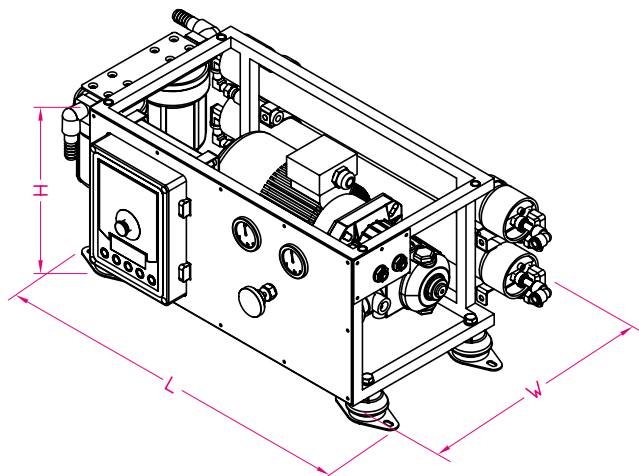


MINIMAR



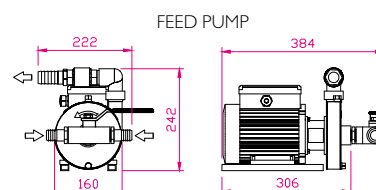
INVERTER

COMPACT CONFIGURATION



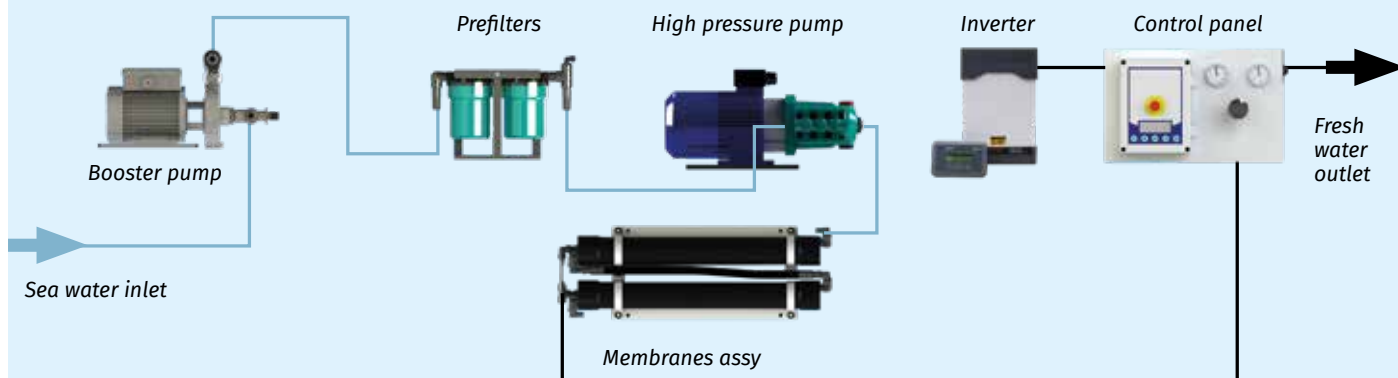
STANDARD FEATURES

- HIGH AND LOW PRESSURE GAUGE
- AVAILABLE VOLTAGES: 12/24 V DC
- EASY INSTALLATION, OPERATION MONITORING AND MAINTENANCE



FEED PUMP

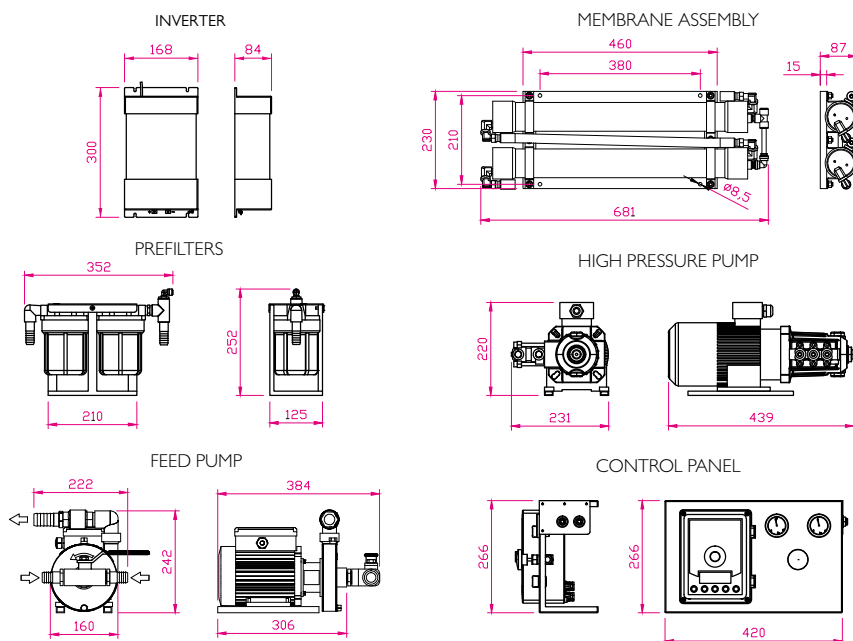
SLIM CONFIGURATION



ACCESSORIES



SLIM CONFIGURATION



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Installed Power (kW)	Power supply (Volt)	Current drain (Amps)	Max dimensions -L x W x H- (mm)	Weight (kg)
MINIMAR 200	30 / 7.9	720 / 190	0.6	12/24 Vdc - 230 Vac	58 (12 V) / 27 (24 V)	750 x 430 x 310	36
MINIMAR 400	60 / 15.8	1440 / 379	0.6	12/24 Vdc - 230 Vac	60 (12 V) / 29 (24 V)	750 x 430 x 310	40

OASI

OASI modular plants are the ideal choice when energy and available space are limited on a sailing or motor boat.

They can be powered by batteries connected to wind or photovoltaic generators, without the need for an electric generator, and leave you free from constraints, inconveniences and costs of drinking water supply in tourist places. These new generation watermakers use a low-pressure pump to increase water pressure to only about 15 bar. The high pressure necessary to activate the reverse osmosis process (55-60 bar) is achievable through a hydraulic pressure multiplier. It allows

energy savings of up to 80% compared to traditional water treatment plants as it requires only the initial energy of the low-pressure pump to bring water into the watermaker. OASI excels in ease of use, quality of components (such as the stainless steel structure, high-pressure fittings, FDA-approved membranes and filters and lightweight and resistant carbon fiber vessels). On request, it can be supplied with automatic membrane flushing, electronic control panel and remote control for greater comfort, as well as with an activated carbon filter to improve the taste of produced water.



STANDARD CARBON FIBRE VESSELS

STANDARD FEATURES

- LOW ELECTRICAL CONSUMPTION: 4.8 W/LITER (AVERAGE)
- AUTOMATIC PRESSURE REGULATION
- HIGH AND LOW PRESSURE GAUGE
- AVAILABLE VOLTAGES: 12/24V DC
- EASY INSTALLATION, OPERATION MONITORING AND MAINTENANCE



ACCESSORIES



CDMAR-3 remote control - Optional



7" LCD touch-screen remote control - Optional



Microprocessor control unit - Optional



Filter for automatic membrane flushing - Optional



CONFIGURATION

1. SEA COCK VALVE
2. CHECK VALVE
3. SEA STRAINER
4. MOTOR PUMP 12-24 V CC
5. PREFILTER 5 μ
6. OASI PUMP
7. REVERSE OSMOSIS MEMBRANE PACK
8. PRODUCED WATER
9. BRINE WATER
10. CONTROL PANEL



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Installed Power (kW)	Voltage (Volt)	Current drain (Amps)	Weight (kg)
OASI 30	35 / 9.2	840 / 220	0.2	12 / 24V DC	14 (12 V) / 8 (24 V)	26
OASI 60	60 / 15.8	1440 / 379	0.55	12 / 24V DC	38 (12 V) / 20 (24 V)	37

WATER PURIFIERS

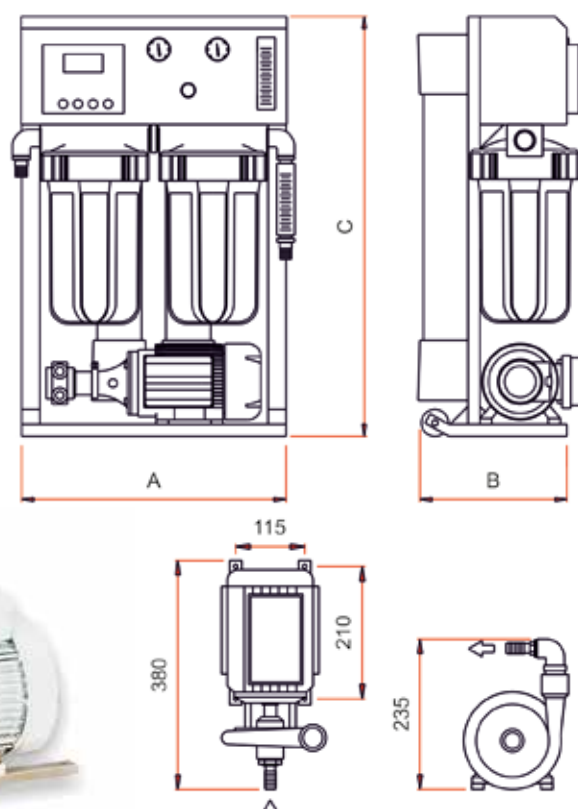
ULTRAPUR

The UltraPUR system for purification of dock or river water is ideal for having drinking water on board with low mineral salt content, eliminating pollution and bacteria and making it safe. Low energy consumption, it is built on a compact stainless steel structure that is easily transportable on wheels. UltraPUR is complete with sediment and activated carbon pre-filters to eliminate

impurities and chlorine from water, low and high pressure control, produced water flow meter and pressure regulation. It also has a pump for osmotic counterbalancing and a semi-permeable membrane resistant to chemical agents. The electric command and control panel with display indicates the electrical conductivity of produced water.



Booster Pump



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Installed Power (kW)	Power supply (Volt / frequency)	Max dimensions -A x B X C- (mm)	Weight (kg)
UltraPUR 800-2	120 / 31	2280 / 760	0.67	single/3-phase 50/60 Hz*	500 X 280 X 700	28
UltraPUR 1200-3	180 / 48	4320 / 1142	0.67	single/3-phase 50/60 Hz*	500 X 280 X 700	32
UltraPUR 2000-2	350 / 92	8400 / 2119	1.3	single/3-phase 50/60 Hz*	500 X 280 X 1140	37
UltraPUR 3000-3	480 / 126	11520 / 3043	1.3	single/3-phase 50/60 Hz*	500 X 280 X 1140	40
UltraPUR 5000-2	750 / 198	18000 / 3043	1.65	single/3-phase 50/60 Hz*	670 X 330 X 120	44
UltraPUR 7500-3	1.150 / 300	27600 / 7291	1.65	single/3-phase 50/60 Hz*	670 X 330 X 120	48

*other voltages and frequencies available on demand.





Pre-treatment Accessories

Post-treatment Accessories



Maintenance Accessories



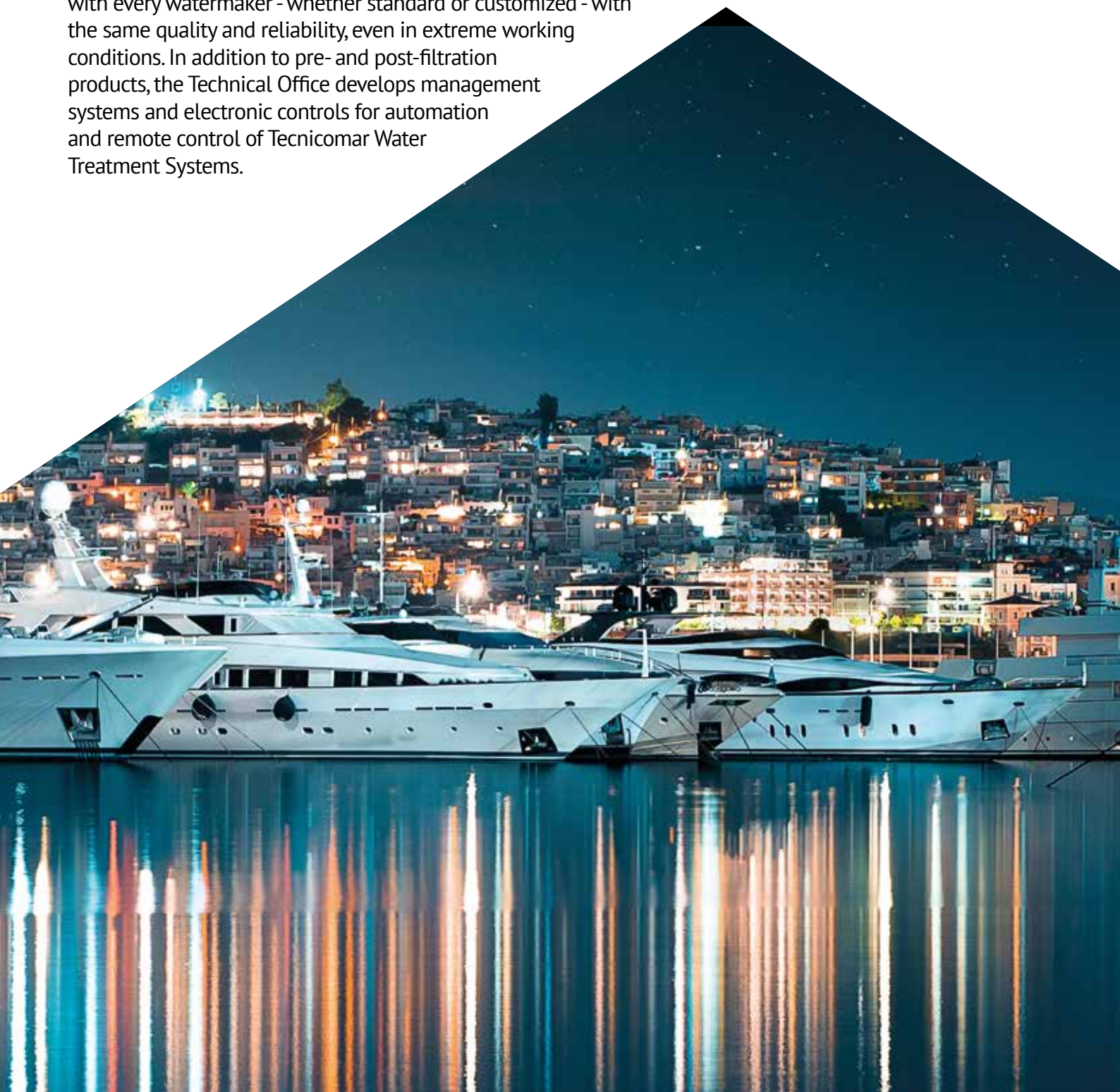


TECNICOMAR[®]

WATERMAKERS - SEWAGE TREATMENT PLANTS

Water treatment accessories

Tecnicomar designs and produces a wide range of products for water pre- and post-treatment and for plant maintenance. Each accessory has been designed to work in perfect harmony with every watermaker - whether standard or customized - with the same quality and reliability, even in extreme working conditions. In addition to pre- and post-filtration products, the Technical Office develops management systems and electronic controls for automation and remote control of Tecnicomar Water Treatment Systems.



SEMI-AUTOMATIC FILTER WITH HELICAL EFFECT

TFD FILTER

The TFD semi-automatic helical self-cleaning filter for pre-filtration of primary water features an exclusive filtration system based on a helical effect that allows a drastic reduction in the number of washes, maximizing water, energy and labor cost savings. The helical effect is obtained by means of a propeller positioned

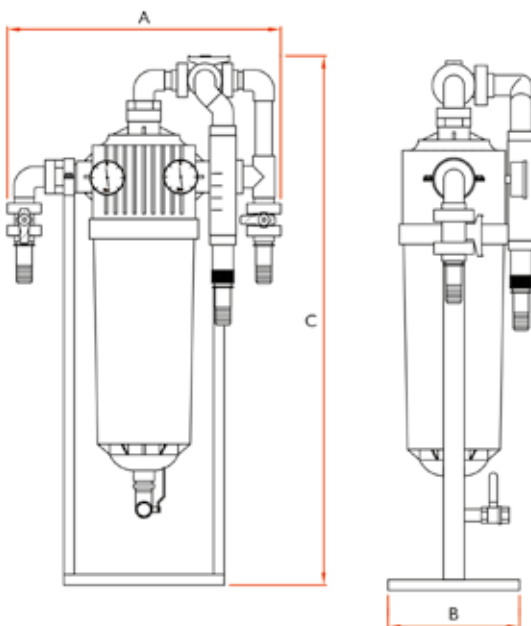
at the filter inlet. The propeller, in fact, generates a rotary movement to the incoming water flow, such as to throw suspended particles against the walls keeping them away from the filter element. In this way, the frequency of washing is reduced.

APPLICATIONS:

Used for filtration of all types of water in industrial processes, nautical, landscaping, agriculture sectors, etc.

ADVANTAGES

- HELICAL FLOW FILTRATION SYSTEM
- MODULAR, VERSATILE AND EASY MAINTENANCE
- MADE IN GLASS FIBER REINFORCED POLYAMIDE
- WATER AND ENERGY SAVING
- HIGH CLOGGING RESISTANCE
- EASY AND QUICK CONNECTION
- HYDROCYCLONE EFFECT



TECHNICAL DATA

Available with 20 micron, 50 micron and 100 micron filtration.

Flow rates up to 12 m³/hour.

Available in double, triple etc. configuration for higher flow rates.

Equipped with: gauges for reading pressure drop, flow meter for flow reading and manual valves for backwash operations.

OTHER WATER PRE-TREATMENT ACCESSORIES

SEAWATER STRAINER
to prevent clogging of sand
filters and prefilters



**MULTIMEDIA
SAND FILTER**
to reduce the level
of suspended solids
(turbidity) in
incoming feed water



**A316L STAINLESS STEEL
HYDRO-CYCLONE
FILTER**
removes large particles
from the feed water
extending the life of the
prefilters and R. O.
membranes



OIL-WATER SEPARATOR
for sediment filtration and to
reduce dispersed and dissolved
oil from water

FILTRATION SYSTEMS

BFS FILTERS

BFS FILTERS FOR WATER FILTRATION AND DISTRIBUTION

Ideal for seawater and fresh water filtration, BFS filters are available in 3 models, all mounted in a solid stainless steel structure or with support brackets:

- BFS 1: With 1 filter container for single or double filtration 10" and 20"
- BFS 2: With 2 filter containers of two different filtration grades 10" and 20"
- BFS 3: With 3 filter containers of two different filtration grades 10" and 20"

For BFS 2 and BFS 3 models, the combination of a BIG BLUE sediment filter with single or double filtration with an activated carbon filter or with an oil-water separator filter with coalescent cartridges is recommended.

The flow rate varies according to the supply pressure and the filter used.



BFS 2 20"



BFS 3 20"



BFS 1 20"



BFS 2 10"



*R30-20": 30 µm
filtration*



*DGD-5005-20"-BB:
2-stage filtration 50
& 5 µm*



*EPM-20"-BB:
activated carbon 10
µm filtration*



*CP5-20"-BB: 5 µm
filtration*



*BC-10" & 20"-BB:
oil/water separator*



*R30-10"-BB: 30 µm
filtration*



*P5-10": 5 µm
filtration*

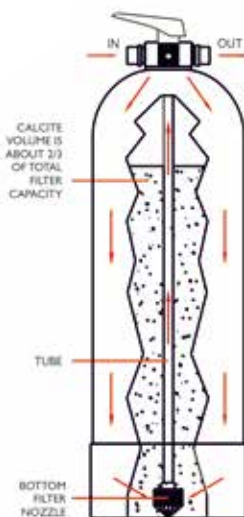
TECHNICAL DATA

Model	Max flow rate per hour (litres/gallons)	Fittings (inch)	Dimensions (mm) -L x W x H-	Weight (kg)
BFS 1 10"	9.000 / 2.377	¼" - ⅜" - ½" - ¾"	130 X 150 X 370	4
BFS 2 10"	9.000 / 2.377	¼" - ⅜" - ½" - ¾"	280 X 150 X 370	6
BFS 3 10"	9.000 / 2.377	¼" - ⅜" - ½" - ¾"	420 X 150 X 370	8
BFS 1 10"-BB	16.000 / 4.227	1" - 1 ½"	190 X 220 X 400	5
BFS 2 10"-BB	16.000 / 4.227	1" - 1 ½"	380 X 220 X 400	8
BFS 3 10"-BB	16.000 / 4.227	1" - 1 ½"	580 X 220 X 400	12
BFS 1 20"-BB	16.000 / 4.227	1" - 1 ½"	190 X 220 X 670	7
BFS 2 20"-BB	16.000 / 4.227	1" - 1 ½"	380 X 220 X 670	10
BFS 3 20"-BB	16.000 / 4.227	1" - 1 ½"	580 X 220 X 670	14

FILTRATION SYSTEMS

ACTIVATED CARBON FILTERS

Tecnicomar TCA activated carbon filters effectively remove contaminants and impurities present in water such as chlorine, volatile organic compounds (VOCs) and sediments. Chlorine is irritating to the skin and respiratory system: with the installation of TCA dechlorination filters, the difference in the shower or in the preparation of food and drinks is immediately evident. Through continuous use, filtered water is safe, odorless and has a better taste. If the water used for back-washing does not contain chlorine, it is recommended to install a UV sterilizer after the activated carbon filter to perfectly disinfect the water.



Carbon & calcite
Filters in
reinforced
Fiberglass



TECNICOMAR USES ONLY FIRST QUALITY ACTIVATED CARBON



EN 12915
COMPLIANCE



KIWA ATA
CERTIFICATION



DRINKING WATER
INSPECTORATE
APPROVAL

TECHNICAL DATA

Model	Treated Water (liters/gallons per hour)	Treated Water (liters/gallons per day)	Max Dimensions diameter × height (mm)
TCA 1	1.000 / 264	24.000 / 6.332	220 x 948
TCA 2	1.500 / 395	4.320 / 9.498	310 x 1.230
TCA 3	1.500 / 395	72.000 / 18.997	380 x 1.308

OTHER MODELS AVAILABLE ON REQUEST

FILTRATION SYSTEMS

CALCITE FILTERS

Tecnicomar TCC calcite filters neutralize the pH of water creating a non-corrosive balance that makes it safe for the human body. Through the filter, water is enriched with magnesium and calcium carbonate: this re-hardening process prevents the potential leaching of copper, lead and other metals typically present in hydraulic systems. The calcite bed needs to be regenerated periodically to restore the correct mineral content when exhausted.

*Carbon &
calcite
Filters in a316l
Stainless steel*



TECHNICAL DATA

Model	Treated Water (liters/gallons per hour)	Treated Water (liters/gallons per day)	Max Dimensions diameter x height (mm)
TCC 1	1.000 / 264	24.000 / 6.332	217 x 948
TCC 2	1.500 / 395	4.320 / 9.498	260 x 980
TCC 3	2.500 / 660	7.200 / 19.020	380 x 1.308

OTHER MODELS AVAILABLE ON REQUEST

ANTISCALANT DOSING SYSTEM

Effective dosing system to prevent scale formation on the membrane surface and membrane fouling, avoiding their premature replacement. Effective in removing turbidity and bacteria. The system mainly comprises a diaphragm dosing pump, self-proportional, programmable, microprocessor model; and a polyethylene tank, complete with level sensor for pump shutdown in case of liquid shortage.



SILVER ION DOSING SYSTEM

Programmable automatic dosing system to sterilize up to 20 m³/h with silver ions (Ag+) through water flow passage. It is equipped with a removable control unit and twin silver discs to double its effectiveness. Polarity change prevents clogging. Available with double inlets for two fresh water generators. Reduced maintenance for electrode replacement.



CHLORINE DOSING SYSTEM

Programmable diaphragm dosing pump with microprocessor control for dosing chlorine or silver ions in modes: manual / proportional pulse multiplier (lxn) / proportional pulse multiplier with memory (lxn-M) / proportional pulse divider (l:n). Polyethylene tank of 10 / 20 / 30 / 60 / 100 / 230 / 315/ 500 and 1000 liters and level probe for shutdown in case of product shortage. Connectable to pulse lancers and float level probes (optional).



WATER SOFTENERS WITH CHLORINE GENERATOR

Automatic and semi-automatic water softeners are ideal for partially or completely eliminating limescale in water and avoiding scale deposits in pipes and appliances: with the passage of water through a bed of synthetic resins, calcium and magnesium salts are retained, eliminating excess hardness. With series liter counters, resin regeneration occurs

automatically with preset washing cycles - time or volume based - of a saturated salt solution on the connected container. Simple and functional, they are available in bi-body configuration (with separate salt container), cabinet and portable with manual registration: just add salt in the necessary quantity.

STANDARD EQUIPMENT

- FIBERGLASS REINFORCED CONTAINER
- FLECK 5-CYCLE VOLUME VALVE
- MANUAL BY-PASS VALVE FOR WATER SOFTENER EXCLUSION
- AUTOMATIC REGENERATION - EXCEPT SPF MODELS
- AUTOMATIC RESIN DISINFECTION AT EACH REGENERATION
- AUTOMATIC SELF-DISINFECTION DEVICE FOR RESINS AT EACH WASH
- MANUAL BY-PASS DEVICE TO REGULATE DESIRED HARDNESS LEVEL
- SALT DEPLETION INDICATOR
- 1" F GAS BRASS FITTINGS
- BRINE TANK



SPF 10 C
semi-automatic



AD/APX



TECHNICAL DATA

Model	Max Flow (m³/hour)	Cyclic Capacity (m³/°F)	Resin Capacity (litres)	Salt Con- sumption per cycle (kg)	Tank dimensions (diam. xH - mm)	Salt Container Dimensions (LxFxH - mm)	Salt Capacity (litres)	Cabinet Dimensions (LxWxH - mm)	Total Dimensions (LxWxH - mm)	In/Out (M - Gas ")	Total Weight (kg)
-------	-----------------------	-------------------------------	-------------------------------	--	------------------------------------	--	------------------------------	---------------------------------------	----------------------------------	--------------------------	-------------------------

MANUAL REGENERATION SPF WATER SOFTENERS

SPF 7 HORIZONTAL	0.7	40	7	1.3	210 x 480	120 x 120 x 300	3.7	-	690 x 330 x 330	1/2	15
SPF 7 VERTICAL	0.7	40	7	1.3	210 x 480	120 x 120 x 300	3.7	-	325 x 325 x 490	1/2	15
SPF 10 HORIZONTAL	1	60	10	1.8	181 x 645	120 x 120 x 300	3.7	-	850 x 310 x 310	1/2	18
SPF 10 VERTICAL	1	60	10	1.8	181 x 645	120 x 120 x 300	3.7	-	295 x 295 x 650	1/2	18
SPF 10 C SEMI-AUTOMATIC	1	60	10	1.8	181 x 646	120 x 120 x 300	included	320 x 520 x 740	320 x 520 x 740	3/4	91
SPF 16 VERTICAL	1.6	90	16	2.9	181 x 910	120 x 120 x 300	3.7	-	295 x 295 x 920	1/2	26
SPF 28 C SEMI-AUTOMATIC	2.8	160	28	5	260 x 910	120 x 120 x 300	included	320 x 520 x 1160	320 x 520 x 1160	3/4	136

Model	Max Flow (m³/hour)	Cyclic Capacity (m³/°F)	Resin Capacity (litres)	Salt Con- sumption per cycle (kg)	Tank dimensions (diam. xH - mm)	Salt Container Dimensions (LxFxH - mm)	Salt Capacity (litres)	Cabinet Dimensions (LxWxH - mm)	Total Dimensions (LxWxH - mm)	In/Out (M - Gas ")	Total Weight (kg)
-------	-----------------------	-------------------------------	-------------------------------	--	------------------------------------	--	------------------------------	---------------------------------------	----------------------------------	--------------------------	-------------------------

DUPLEX WATER SOFTENERS WITH CHLORINE GENERATOR AND VOLUME CONTROL REGENERATION

AD/APX 15/2	3	180	30	5.4	181 x 910	340 x 900	75	-	480 x 215 x 1090	1	130
AD/APX 30/2	6	360	60	10.8	260 x 910	460 x 760	100	-	620 x 300 x 1090	1	200
AD/APX 50/2	6	600	100	18	310 x 325	460 x 760	100	-	720 x 350 x 1500	1	245
AD/APX 75/2	11	900	150	27	360 x 1185	546 x 1010	200	-	820 x 400 x 1370	1	430
AD/APX 100/2	11	1200	200	36	360 x 1690	840 x 1010	400	-	820 x 400 x 1880	1	705
AD/APX 150/2	11	1800	300	54	410 x 1665	840 x 1010	400	-	900 x 450 x 1850	1 1/2	830
AD/APX 200/2	31	2400	400	72	475 x 1900	1000 x 1370	800	-	1050 x 515 x 2220	1 1/2	1385
AD/APX 300/2	31	3600	600	108	610 x 1880	1160 x 1540	1000	-	1330 x 660 x 2200	2	1560

UV STERILIZERS

To have bacteriologically pure water without the addition of chemical substances, Tecnicomar UV sterilizers allow to reduce up to 99.9% bacteria and viruses present in drinking water. They allow complete sterilization of water to avoid damage caused by chlorine and bacteria. They have upstream a sediment pre-filter to have greater effectiveness in UV radiation and an activated carbon filter to eliminate the bad odor and taste of water.

UV sterilizers can be installed on the watermaker at the produced water outlet or after the accumulator on the water distribution line. The high-intensity UV lamp duration is 9000 hours of continuous service.



TECHNICAL DATA

Model	Liters/minute	Liters/hour	Filtration Type	Absorption (Watt)	Power Supply (Voltage/Frequency)	Dimensions (mm) -L x W x H-	in / out (Inch)
4 SERIES UV (4 liters/minute - maximum pressure 4 bar)							
UVI-CBC	4	240	activated carbon 0,5 µm	10 W	230 Volt AC / 50 Hz*	120 x 120 x 400	1/2
UVI-EPM	4	240	activated carbon 10 µm	10 W	230 Volt AC / 50 Hz*	120 x 120 x 400	1/2
UV2-SD/CBC	4	240	PP 5 µm + activated carbon 0,5 µm	10 W	230 Volt AC / 50 Hz*	240 x 120 x 400	1/2
UV2-SD/EPM	4	240	activated carbon 10 µm	10 W	230 Volt AC / 50 Hz*	240 x 120 x 400	1/2
8 SERIES UV (8 liters/minute - maximum pressure 4 bar)							
UVI-CBC	8	480	activated carbon 0,5 µm	10 W	230 Volt AC / 50 Hz*	130 x 150 x 400	3/4
UVI-EPM	8	480	activated carbon 10 µm	10 W	230 Volt AC / 50 Hz*	130 x 150 x 400	3/4
UV2-SD/CBC	8	480	PP 5 µm + activated carbon 0,5 µm	10 W	230 Volt AC / 50 Hz*	280 x 150 x 400	3/4
UV2-SD/EPM	8	480	activated carbon 10 µm	10 W	230 Volt AC / 50 Hz*	280 x 150 x 400	1/2
20 SERIES UV (20 liters/minute - maximum pressure 4 bar)							
UV20-1	38	2.280		18 W	230 Volt AC / 50 Hz*	280 x 160 x 630	3/4
UV20-2/SD	38	2.280	PP 50/5 µm	18 W	230 Volt AC / 50 Hz*	280 x 160 x 630	3/4
UV20-2/EPM	38	2.280	activated carbon 10 µm	18 W	230 Volt AC / 50 Hz*	280 x 160 x 630	3/4
UV2-SD/EPM	38	2.280	PP 50/5 µm + activated carbon 10 µm	18 W	230 Volt AC / 50 Hz*	420 x 160 x 630	3/4
BB SERIES UV (BB liters/minute - maximum pressure 4 bar)							
UVBB-1	57	3.420		18 W	230 Volt AC / 50 Hz*	200 x 240 x 760	1 1/2
UVBB-2/SD 20"	57	3.420	PP 50/5 µm	18 W	230 Volt AC / 50 Hz*	640 x 240 x 760	1 1/2
UVBB-2/SD 20" X 2	57+57	6.800	PP 50/5 µm	18 W	230 Volt AC / 50 Hz*	640 x 480 x 760	1 1/2
UVBB-2/EPM	57	3.420	activated carbon 10 µm	18 W	230 Volt AC / 50 Hz*	380 x 210 x 720	1 1/2
UVBB-3/SD/EPM	57	3.420	PP 50/5 µm + activated carbon 10 µm	18 W	230 Volt AC / 50 Hz*	640 x 240 x 760	1 1/2

*other voltages and frequencies available on request

STAINLESS STEEL UV PRO STERILIZERS

Tecnicomar UV Pro sterilization systems in AISI 304L stainless steel (AISI 316L on request) with high-intensity germicidal UV lamp powered at very low voltage allow to reduce up to 99.9% bacteria and viruses present in drinking water. Ideal for nautical and industrial applications with high flow rate requirements,

Tecnicomar sterilizers are usually installed after the accumulator and can be supplied with a pre-filtration system to obtain greater effectiveness of UV radiation. The high-intensity antibacterial UV lamp duration is estimated at 9000 hours of continuous service. They are powered at 220/240V AC-50/60 Hz.



TC-1000



TC-2500



TC-5000

TC-2500
BB 20"

TC-13000

Electronic
control panel
for UV

TECHNICAL DATA

Model	Liters/minute	Liters/hour	Absorption (Watt)	Power Supply (Voltage/Frequency)	in / out (Inch)	Dimensions (mm) -L x W x H-	Weight (kg)
TC SYSTEM STAINLESS STEEL (Maximum pressure: 8 bar)							
TC-1000	17	1.000	40 W	230 Volt AC / 50 Hz*	3/4	130 x 160 x 950	7
TC-2500	40	2.500	40 W	230 Volt AC / 50 Hz*	1	130 x 160 x 950	9
TC-2500 BB 20"	40	2.500	40 W	230 Volt AC / 50 Hz*	1	130 x 160 x 950	11
TC-5000	83	5.000	80 W	230 Volt AC / 50 Hz*	1	130 x 160 x 950	16
TC-5000 BB 20"	76	4.560	80 W	230 Volt AC / 50 Hz*	1	130 x 160 x 950	18
TC-8000	133	8.000	165 W	230 Volt AC / 50 Hz*	1 1/4	130 x 160 x 950	17
TC-9000	150	9.000	250 W	230 Volt AC / 50 Hz*	DN 40	130 x 160 x 950	35
TC-13000	217	13.000	500 W	230 Volt AC / 50 Hz*	DN 50	130 x 160 x 950	35

Model	Flow Rate	UV Lamp Power	Power Supply (Voltage/Frequency)	Dimensions (B X P X H - MM)	Weight (kg)
TC AF SERIES	from 64.3 liters/min to 6,433 liters/min from 3,860 liters/hour to 386,000 liters/hour	da 55 W a 3.160 W	230 Volt AC / 50 Hz*	da 330 x 200 x 120 mm a 7 60 x 7 60 x 300 mm	da 8 kg a 206 kg

*other voltages and frequencies available on request





TECNICOMAR[®]
WATERMAKERS - SEWAGE TREATMENT PLANTS

Water Purifiers

Aqua
PUR

WATER
TREATMENT
SYSTEMS



WATER PURIFIERS

OLIGOMINERAL WATER ALWAYS AVAILABLE ON BOARD!

Tecnicomar AquaPUR is a line of reverse osmosis water treatment systems, with direct production, from 70 to 100 liters/hour. Available in 4 space variants, it is contained in a solid stainless steel structure and provides safe drinking water, for washing fruit, vegetables and for cooking, directly from the tap. It is equipped with a double filtration system with a 5-micron polypropylene pre-filter and a 25-micron granular activated carbon pre-filter that guarantee - together with the reverse osmosis membrane - the elimination of sus-

pended particles such as sand, rust, sediments, chlorine, nitrates, bacteria, viruses, pesticides and all other polluting substances dissolved in water, keeping the saline balance unchanged and making it pure from any chemical and bacteriological pollution. Also recommended for ice makers, coffee machines and for the production of beverages of all kinds. Simplified installation even in small spaces. Series installation kit and over-sink tap included.



Compliant with ministerial decree n. 443 of 21/12/90 of the Italian Ministry of Health for the treatment of drinking water for domestic use.

CONTAMINANT CONTROL OF DRINKING WATER WITH AQUAPUR

INORGANIC CONTAMINANTS			
Sodium	90-95 %	Lead	93-98 %
Calcium	93-98 %	Chlorides	90-95 %
Magnesium	93-98 %	Bicarbonate	90-95 %
Potassium	90-95 %	Nitrates	85-90 %
Aluminum	93-98 %	Fluorides	90-95 %
Copper	93-98 %	Phosphates	93-98 %
Nickel	93-98 %	Chromates	90-95 %
Zinc	93-98 %	Cyanide	90-95 %
Strontium	93-98 %	Sulfates	93-98 %
Cadmium	93-98 %	Boron	55-60 %
Silver	93-98 %	Arsenic +3	70-80 %
Mercury	90-95 %	Arsenic +5	93-98 %
Barium	93-98 %	Selenium	93-98 %
Chromium	93-98 %	Radioactivity	93-98 %

ORGANIC AND PARTICULATE CONTAMINANTS			
Bacteria	>99 %	Asbestos	>99 %
Protozoa	>99 %	Sediments	>99 %
Giardia	>99 %	Turbidity	>99 %

ORGANIC CONTAMINANTS	
Organic molecules with molecular weight >300	>99 %

TECHNICAL DATA

Model	Production by hour (liters)	Production by day (liters)	Power Supply (Volt) - Frequency (Hz) Installed Power (W)	Maximum Dimensions L x P x A (mm)
AquaPUR	100	2.400	230 V AC - 50 Hz - 370 W	330 X 470 X 315
AquaPUR Slim	70	1.680	230 V AC - 50 Hz - 187 W	330 X 405 X 220
AquaPUR Flat	70	1.680	230 V AC - 50 Hz - 150 W	420 X 410 X 95

CHILLERS + CARBONATORS

AquaMIX and AquaMIX 1 is a compact automatic system without accumulation tank with high performance that dispenses fresh, sparkling and room temperature water. AquaMIX 1 Top is equipped with front compartment for housing the purification filter (optional) and CO2 bottle for very simple maintenance. It has quick-connect fittings for simple over-sink installation. AquaMIX 1 Under, with the same performance, is prepared

for under-sink installation. Refrigeration occurs inside the system with water passing through a cooling coil. The electronic thermostat with display allows regulation of the desired temperature and instant dispensing of cold and carbonated water. Maximum silence, with chromed brass taps for food use, ecological gas without CFC and integral closure of the container.



AQUAMIX TOP



AQUAMIX UNDER

AQUAMIX 1 TOP



AQUAMIX 1 UNDER

TECHNICAL DATA

	AQUAMIX 1 TOP	AQUAMIX 1 UNDER
Power Supply (voltage/frequency)	230V AC - 50 Hz	230V AC - 50 Hz
Power consumption (Watt/hour)	0.7 A* / 1.2 A**	0.7 A* / 1.2 A**
Type of refrigerant gas	HFC 134A	HFC 134A
Dimensions (W x D x H - cm) - Weight (Kg)	25 x 54 x 47 - 19* Kg 35 x 50.5 x 44 - 25** Kg	25 x 44.5 x 41 - 17* Kg 35 x 50.5 x 44 - 25** Kg

*cooler + room temp. + carbonator

**bar cooler + room temp. + carbonator

COOLING CAPACITY

Liters of cold water per hour at 18°C	45* / 65**	65
---------------------------------------	------------	----

*cooler + room temp. + carbonator

**bar cooler + room temp. + carbonator

INTERNATIONAL TECNICOMAR CLIENTS

SHIPYARDS

Tecnicomar Professional Systems for shipbuilding are designed and built to work in the most extreme conditions, offering high production and maximum reliability. Among our international clients we count many

of the most prestigious shipyards that use reverse osmosis watermakers and onboard black and gray water treatment systems on their constructions.

- ALLOY YACHTS
- AZIMUT
- BALTIC YACHTS
- BENETEAU
- BENETTI
- BHARATI SHIPYARD
- BILGIN YACHTS
- BOURBON
- BRODOSPLIT
- CERRI
- CHRISTENSEN
- CNB
- CODECASA
- DAMEN
- DOMINATOR ILUMEN
- EGEYAT
- EMIRATES BOATS
- ENIMED
- FERRETTI
- FILIPPETTI YACHTS
- FINCANTIERI
- GRANDWELD
- GULF CRAFT
- HINDUSTAN
- HORIZON YACHT
- HUDSON
- INTERMARINE
- ISAGROUP
- LARSEN & TOUBRO
- LIBERTY LINES
- MENGIYAY
- MONTE CARLO YACHTS
- NUMARINE
- OCEA
- OKA SHIPYARD
- PERMARE
- PRINCESS YACHTS
- RELIANCE DEFENSE
- SAN LORENZO
- SHOFT
- SEA CREST MARINE
- SUNSEEKER
- ULISSE CANTIERI NAVALI
- VITTERS
- WEST SEA





MARINE & OFFSHORE CLIENTS

OIL & GAS

Tecnicomar plants are professional systems ideal for Naval and Oil & Gas applications, made using advanced design and construction technologies useful to satisfy elec-

trical, mechanical, noise and vibration standards in any environment. Among our clients we count some of the most important companies in the world:



88 PARSEC - Cruise vessel:
SAILOR C 2000 R. O. Watermaker



ABG - Oceanographic research:
ECOMar 6 STP System



ABU DHABI SHIP BUILDING - Petrolling:
SAILOR SPECIAL 3/40 R. O. Watermaker



ABU QIR PETROLEUM - Jack-up rig:
STDC SY 3000 R. O. Watermaker



AJANG SHIPPING SON BHD - Cargo ship
SAILOR MD 2000 R. O. Watermaker



AKRON TRADE & TRANSPORT - Crew vessel:
STDC SY 3000 R. O. Watermaker



ARCHREST - Scientific vessel:
SAILOR SPECIAL 2/40 Slim R. O. Watermaker



BELFREIGHT - Scientific vessel:
SAILOR SPECIAL 3/40 R. O. Watermaker
ECOMar 16 STP System



BHARATI SHIPYARD - Interceptor boat:
ECOMar 6 STP System



BLUE FERRIES (ITALIAN FERRIES GROUP)
Passenger ship:
ECOMar 20 STP System



BOURBON OFFSHORE - Multipurpose vessel:
ECOMar 8 STP System



CARONTE&TOURIST - Passenger ship:
ECOMar 50 STP System



CHILEAN NAVY - Antartic base Punta Arenas:
ECOMar 145 STP System



CHILEAN NAVY - LARGE PATROL CRAFTS:
ECOMAR S & SX



CMHI MPV OFFSHORE
STDC SY 12000 R. O. Watermaker



CMN Shipyard - Military vessels:
SAILOR 400C



COSCO - Havyard 832:
STDC SY 6000 R. O. Watermaker



COSCO (DALIAN) - Jack-up drilling platform:
SW8-60 R. O. Watermaker



COSCO (NANTONG) SHIPYARD CO. LTD - Float accommodation unit / DP3 pipelay heavy lift - offshore construction:
SW8-60 & SW8-75 R. O. Watermaker
TCN7X I
TC4AF400T Post-treatment water system



COSCO (NANTONG) DANA PETROLEUM - FPSO
STDC SY 9000 R. O. Watermaker
ECOMar 16 STP System



CSSC GUANGZHOU HUANGPU SHIPBUILDING CO., LTD. - Dive support offshore vessel:
STDC SY 6000 R. O. Watermaker



DAMEN SHIPYARDS - Hardinxveld - Tug vessel:
ECOMar 70 STP System



DAMEN SHIPYARDS - SeaXplorer:
ECOMar 70 STP System



ENIMED - Gela 1 Platform:
ECOMar 70 STP System - ATEX



ENIMED - Perla Platform:
ECOMar 70 STP System - ATEX



ERAM - ESTALEIRO RIO AMAZONAS LTD. - Work boat / river ferry:
TC 84 R. O. Watermaker



FINCANTIERI S.P.A. DIREZIONE NAVI MILITARI - Norwegian polar research vessel:
Charcoal paper filter units



FINCANTIERI S.P.A. - Multipurpose Offshore Patrol Vessels (PPA):
Drink Water Treatment Systems



FLENSBURGER NB765 - Offshore vessel:
ECOMar 120 STP System



FLINTER MANAGEMENT 8.11. - Cargo vessel:
ECOMar 8 STP System



GRANDI NAVI VELOCI
POLARIS/ORION/VIRGO/AURORA:
SW8-100, SW8D-100



GRANDWELD MATAF - Victory & Pride vessel:
ECOMar 8 STP System



GRANDWELD SHIPYARD - Offshore crew boats:
ECOMar 8 STP System



GUANGZHOU SHUNAI SHIPYARDS LTD. - Commercial vessel:
SAILOR SPECIAL 2/44 R. O. Watermaker



GULF PIPING COMPANY - Landing craft
STDC SY 6000 R. O. Watermaker



HALUL OFFSHORE - Jack-up RIG:
SW8-100 R. O. Watermaker



HINDUSTAN SHIPYARD LTD - Indian Navy ocean surveillance ship:
STDC SY 9000 R. O. Watermaker



INDIAN NAVY - FAST PATROL VESSELS:
ECOMAR S & SX; FWG: SAILOR, STDC



INDONESIAN NAVY - CORVETTES, P60s, P40s:
ECOMAR S & SX; FWG: SAILOR, STDC



INTERMARINE S.P.A. - Cacciamine:
APX- 75/2 Automatic Water Softener



INTERMARINE S.P.A. - UNPAV (High-speed
multipurpose patrol vessels):
ECOMAR 70 STP System
Sailor C S 3/21 R. O. Watermaker



JINGLING SHIPYARD - 9000 DWT Cement
carrier:
ECOMAR 340 STP System



JSC ALMAZ SHIPBUILDING - Patrol vessel /
Rescue boat:
SAILOR SPECIAL 2/44 R. O. Watermaker
ECOMAR 16 STP System



LARSEN & TOUBRO LTD - Indian Coast Guard:
Sailor C S 3/44 R. O. Watermaker



LEVINGSTON MIDDLE EAST - Mobile offshore
units & liftboats:
ECOMAR 50 STP System



LIBERTY LINES S.P.A. - Ship passenger:
ECOMAR 45 STP System



LUMABEDA TOURS LTDA. - Passenger ship:
ECOMAR 16 STP System



MERINEQUA SA - Passenger ship:
ECOMAR 16 STP System



MICOPERI 30 GL - Barges / Pipe lay crane
vessel:
ECOMAR 24 STP System
STDC SY 9000 R. O. Watermaker



NEPTUN TOPAZ 1700 - Container ship:
ECOMAR 50 STP System



OKA SHIPYARD - Russian Navy - Communica-
tion ship:
ECOMAR 6 STP System



OUHUA SHIPYARD - Container ship:
ECOMAR 145 STP System



P&O FERRIES - Passenger ferry:
ECOMAR 120 STP System



PETROFAC JSD 6000 - Deep water derrick lay
vessel:
ECOMAR 120 STP System
STDC SY 4500 R. O. Watermaker



PT MUJI LINES - Cruise ship:
STDC SY 12000 R. O. Watermaker



PT. DAYA RADAR UTAMA - 60m fast patrolbo-
ats:
SAILOR C S 2/44 R. O. Watermaker
ECOMAR 24 STP System



RELIANCE DEFENCE - Indian Coast Guard:
Sailor C S 3/44 R. O. Watermaker



ROSKAMRYBA - Fishing trawler:
ECOMAR 8 STP System



SAIPEM - Kaombo FPSO:
Potable water treatment



SAIPEM - Perro Negro 2 & 3 Offshore platform:
ECOMAR 120 STP System



SEA CREST MARINE CO. LTD - Police Patrol
Aluminium Catamaran Thailand:
Sailor C 600 R. O. Watermaker



YUGMORGEOLOGIA - Scientific vessel:
ECOmar 6 STP System



SEVSUDOREMONT - Passenger vessel:
ECOmar 24 STP System
SAILOR S 3/40 R. O. Watermaker



ZELENODOLSK SHIPYARD - Floating dock:
ECOmar 24 STP System



SHANNON FERRIES GROUP - River ferry:
ECOmar 16 STP System



ZNT SHIPYARD - Diving boat:
ECOmar 6 STP System



SHIPYARD ZVEZDOCHKA, ASTRAKHAN -
Multipurpose vessel:
ECOmar 50 STP System



SHOFT SHIPYARD - Navy ammunition
barges:
ECOmar 6 STP System



SINGAPORE NAVY & CIVIL DEFENCE FORCE
HEAVY MARINE VESSELS:
ECOMAR



SOKOLSKAYA SHIPYARD - Communication
ship:
ECOmar 24 STP System



SRETENSKIY SHIPYARD - Cargo ship:
ECOmar 16 STP System



THE CHINA NAVIGATION - MPV offshore:
ECOmar 16 & ECOmar 50 STP System



UAE NAVY - Petrolling:
SAILOR SPECIAL 3/44 R. O. Watermaker



WEST SEA SHIPYARD - C012 River Vessel -
Douro Azul:
TCB 345 Potable water treatment



TECNICOMAR S.p.A.

Headquarters and plant: 91025 MARSALA (TP), ITALY - C.da Berbaro, 145/D - S.S. 115 Km. 36.4
Tel. (+39) 0923 969409 - Fax (+39) 0923 960235

Branch office: 55049 VIAREGGIO (LU) - Via M. Coppino, 67 - Tel./Fax (+39) 0584 395408
www.tecnicomar.it - E-mail: info@tecnicomar.it

COORDINATE GPS: 37°45'9.78"N - 12°28'46.14"E