General Catalog
Marine & Offshore













General Index



Our History	4
Certifications	6
Special Green Technology Reverse Osmosis Watermakers	
Standard Features	8
Optional Features	9
SW8	10
STDC SY	12
BiCompact	14
Sailor Special	16
Sailor Compact	18
Essential	20
Oasi	21
Water Treatment Systems	22
Dosing Systems	24
UltraPur	25
TFD Filters	26
BFS Filters	27
Activated Carbon & Calcite Filters	28
Softeners	29
UV Filters	30
AquaPUR Water Purifiers	32
R. O. Chillers & Carbonators	33
Customized Systems	34
References	35

Worldwide References:



























































































40 years of experience in providing solutions for every demand of water treatment, anytime and everywhere.

ESTABLISHED IN 1978 BY MR. FRANCESCO DE VITA, TECNICOMAR S.P.A. SHORTLY BECAME A LEADING COMPANY DESIGNING AND MANUFACTURING REVERSE OSMOSIS WATERMAKERS AND WATER PURIFYING SYSTEMS FOR YACHTING, NAVAL, OFFSHORE, INDUSTRIAL AND RESIDENTIAL APPLICATIONS.

SINCE THEN, TECNICOMAR HAS BUILT A STRONG REPUTATION WITHIN MARITIME INDUSTRY SUPPLYING A WIDE RANGE OF PRODUCTS MEETING ANY DRINKABLE WATER NEED AND ENGINEERED TO BE THE MOST RELIABLE, LONGER LAST AND MORE CONVENIENT BECAUSE GREEN TECHNOLOGY BASED GIVING UP TO 60% MORE OF FRESH WATER AND 35% LESS OF ENERGY CONSUMPTION.

NOWADAYS, TECNICOMAR DELIVERS ITS HIGH-QUALITY SYSTEMS ALL OVER THE WORLD THROUGH A LARGE NETWORK OF FACTORY-TRAINED SALES AND SERVICE READILY AVAILABLE TO ASSIST OUR VALUED CUSTOMERS ANYTIME WHEREVER THEY ARE. OVER 40 YEARS OF BUSINESS ACTIVITY, TECNICOMAR HAS ALSO GAINED SEVERAL OUTSTANDING CERTIFICATIONS SUCH AS ISO 9001 AND OHSAS 18001 WHICH HIGHLIGHT THE RELIABILITY AND HIGH QUALITY OF OUR MANAGEMENT SYSTEM.













THE HISTORY

1978



Mr. Francesco DeVita founds Tecnicomar with the manufacture of the first Reverse Osmosis watermaker ever made in Europe and designed for Yachting application. Shortly, the company starts approaching new fields such as Offshore, Defense and Industrial, getting

experienced with big units suitable to work in hard conditions and compliant with military

standards.



1990



With the new General Manager Tommaso De Vita the company strengthens the presence on international markets and improving the standard quality.

200

Given the great results soon achieved thanks to the reliability and high performance of its products, Tecnicomar is awarded the UNI EN ISO 9001:2000 Quality Certification.



2004

Tecnicomar launches a new product line in the field of waste water treatment, represented by an innovative Sewage Treatment Plant, called the ECOmar which shortly becomes the state-of-theart system, fully compliant with several international standards and approved by the U.S. Coast Guard.



2008

Tecnicomar moves its headquarters and production into a 4500 sqm facility based in Marsala (Italy) to better face an increasing demand and to assist its clients more properly and timely.











2014

Tecnicomar succeeds in most of its markets, driven by innovative products, continuous R&D and a strong network of distributors operating over 40 countries which lead the company to achieve brilliant results.

Tecnicomar is awarded the UNI EN ISO 9001:2000 Quality Certification in 2001, the OHSAS 18001:2007 Safety Certification and the FPAL Certification.





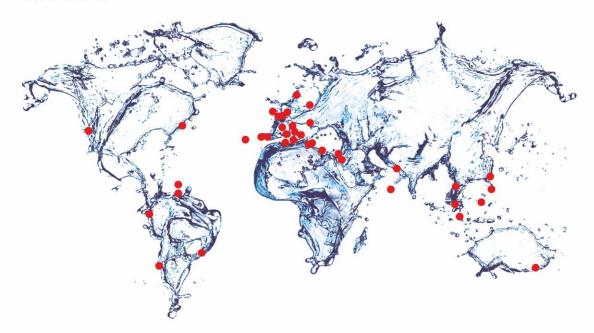




OUR INTERNATIONAL PRESENCE:

Tecnicomar builds a sister facility of 3000 sqm. next to the current one to increase the production. Also, Mrs. Laura De Vita becomes the Sole

Administrator & General Manager of Tecnicomar S.p.A.-march, 2016-.





CERTIFICATIONS

Over 40 years of business activity, Tecnicomar got several different certificates about Quality Management System, issued by some of the most important international Authorities such as DNV, for UNI EN ISO 9001:2015 Quality Certification, OHSAS 18001:2007 Management System Certification and FPAL Certification.

Company Certifications:







Components & Products are Approved by:









The Company is Member of:



















When unconditioned reliability is imperative

STANDARD FEATURES

- Compliance with Offshore and Defense standard for electrical and mechanical components
- Well designed for extremely hard conditions operation
- Double prefilter with reusable high flow rate cartridge filtration, 30 and 5 micron, allowing a reduced maintenance
- Carbon fibre pressure vessels TÜV certified for BiCompact, Sailor and Oasi models (reinforced fiberglass vessels, A.S.M.E. certified, for Essential, Sailor Special 2/44 and 3/44, STDC SY and SW8 watermakers)
- Reverse Osmosis membranes Filmtec/Dow with high chemical resistance, spiral wound type in thin film composite. FDA and NSF/ANSI standards compliant
- CAT high pressure pump with solid ceramic plungers and AISI 316L stainless steel pump head for continuous duty. Duplex and Super Duplex high pressure pump for high salty water applications.
- Feed pump in bronze for marine applications, highly resistant to corrosion. On demand available in AISI 316L stainless steel
- Delayed starting of the high pressure pump avoids the overload during system start
- Direct motor-pump coupling system with vibration dampers, reducing noise and vibration
- Tropicalized motor with low electric consumption, high ambient temperature resistant
- Double instrumentation for analogical and digital readings (standard for Sailor Compact, Sailor Special, Bicompact). On request for all other plants.
- Compact frames in Stainless Steel skid 316L, with anticorrosive protective paint
- Electronic monitoring of produced water quality with the automatic deviation out of board when quality does not reach the preset values

- High pressure pipes and fitting in AISI 316L stainless steel. Duplex and Super Duplex for special salty water applications.
- Pressure and vacuum pressure gauges in Stainless Steel 316L, glycerine filled
- Manual three way valve for easy membrane cleaning/flushing
- Predisposition for automatic membrane flushing after each watermaker stop
- Automatic pressure regulation device (standard for Sailor Special, Bicompact). On request for all other plants.
- Predisposition for final filtration with activated carbon filter -on demand-
- Operating hours meter for easy scheduling of ordinary maintenance
- Running signals and alarms available for system monitoring
- Electronic microprocessor control panel with LCD display (for BiCompact and Sailor models): readings produced water salinity / low and high pressure / effective water production / fresh water production since last starting / electric absorption / temperature / starting-meter and hour-meter for easy maintenance programmation / failure
- Electro-mechanical control panel for STDC/SY and SW8: high reliable and resistant to extreme conditions: readings high salinity of the produced water / high electric power consumption / high or low pressure / oil change (for CAT high pressure pump). Electronic microprocessor control panel with LCD display available on request.
- Remote controls: the electronic control panel is designed for the link with LCD display panel / on board Personal Computer / 7" LCD touch-screen display / optional remote control by Satellite link, for diagnosis, setting, maintenance and operation
- Complete installation kit, with hoses and fittings
- Low pressure circuit with pipes, flexible hoses and Stainless Steel 316L fittings in alimentary use material for potable water



SPECIAL GREEN SERIES:

The new Tecnicomar ECO watermakers produce up to 60% more fresh water and consume up to 35% less of energy consumption than others, based on the same size!

OPTIONAL FEATURES

- Bronze water strainer to prevent clogging of coarse filter and cartridge filters from marine debris
- Semi-automatic self-cleaning prefilter based on a swirl effect obtained by means of a propeller at the filter inlet, preserving the prefilter elements on the Reverse Osmosis system from marine debris
- Multimedia sand filter to reduce the level of suspended solids (turbidity) in incoming feed water
- Antiscalant dosing system to prevent the formation of scale on the membrane surfaces and membrane fouling avoiding premature membrane replacement
- Heating group, by electrical resistance and/or heat exchanger, for raising the temperature of sea water and potable water
- Cleaning/flushing system for assuring a longer membranes life.
- Booster system for produced fresh water
- Energy recovery system for low energy consumption and high performances
- Mineralizing filter to adjust the pH value of fresh water
- Automatic dosing systems for the water sterilization by chemicals dosage
- Carbon (de-chlorinating) filter to remove sediment and excessive chlorine content in the water, to improve taste and removes smell before use
- UV sterilizers, available with flow control device in case of any alarms
- Multi-purpose Reverse Osmosis units, for fresh water and technical water production
- Customized modules depending on available space
- Containerized package
- Special military equipments
- · Availability of shock, noise and vibration tests on demand
- Special ATEX plants

SW8 SPECIAL GREEN

SPECIAL GREEN SERIES:

The new Tecnicomar ECO watermakers produce up to 60% more fresh water and consume up to 35% less of energy consumption than others, based on the same size!

The Tecnicomar SW8 series is designed to produce high quantity of fresh water starting from 1.5 m³/hour. Ideal for offshore platforms, jack-up rigs, bulk carriers and other types of commercial vessels, the SW8 Reverse Osmosis watermakers are made up of high quality components that perfectly fit for marine applications, ensuring high performance in continuous operation even in hard environment conditions.

These systems are equipped with an emergency recovery system which allows a significant decrease of power consumption as well as an increase of system efficiency. The SW8 Reverse Osmosis watermakers also comes complete with an electro-mechanical control panel which gives the maximum reliability of correct operation in any conditions. The ASME approved pressure vessels are made up of reinforced fiberglass.

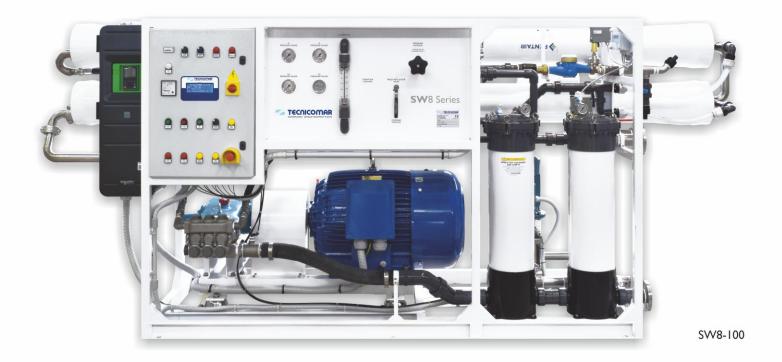


HIGHER FLOW RATE AVAILABLE ON DEMAND

SW8-50



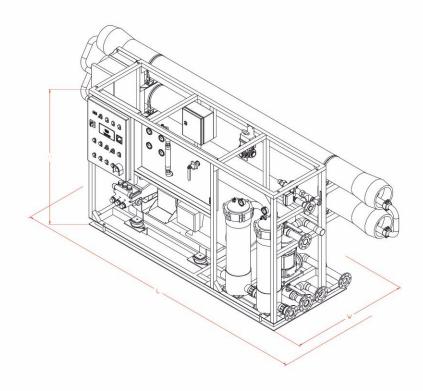




TECHNICAL DATA

Model	Production by hour (litres / gallons)	Production by 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	400 V AC - 50 Hz 3-phase* - 15 kW	1930 x 1150 x 1360	300
SW8-50	2100 / 555	50400 / 13320	400 V AC - 50 Hz 3-phase* - 18.5 kW	1930 x 1150 x 1360	360
SW8-60	2500 / 660	60000 / 15840	400 V AC - 50 Hz 3-phase* - 18.5 kW	2050 x 1067 x 1443	930
SW8-75	3000 / 792	72000 / 19008	400 V AC - 50 Hz 3-phase* - 22 kW	2050 x 1067 x 1443	1010
SW8-100	4000 / 1056	96000 / 25344	400 V AC - 50 Hz 3-phase* - 30 kW	4000 × 950 × 1380	1070
SW8-150	6000 / 1585	144000 / 39474	400 V AC - 50 Hz 3-phase* - 37 kW	4930 × 950 × 1380	1460
SW8-250	10000 / 2642	240000 / 63408	400 V AC - 50 Hz 3-phase* - 55 kW	5950 × 950 × 1380	2000
SW8-∞	PLANNED ON DEMAND - UNLIMITED PRODUCTION				

* other voltages and frequencies available on demand



STDC SY SPECIAL GREEN

SPECIAL GREEN SERIES:

The new Tecnicomar ECO watermakers produce up to 60% more fresh water and consume up to 35% less of energy consumption than others, based on the same size!

Tecnicomar STDC SY are an automatic Reverse Osmosis systems ideal for the production of high quantities of fresh water from sea water.

The STDC SY Special Green series is highly reliable for a non-stop continuous operation and designed to work under extreme conditions like high and low temperatures and vibrations.

The watermakers can be customized for specific

exigencies and are assembled on a solid stainless steel frame. Tecnicomar STDC SY fresh water generators are equipped with an electromechanical control panel with display that allows to manage all functions in an intuitive mode.

They can run in manual mode in case of temporary failure. The ASME approved pressure vessels are made of reinforced fiberglass.





STDC SY 6000



TECHNICAL DATA

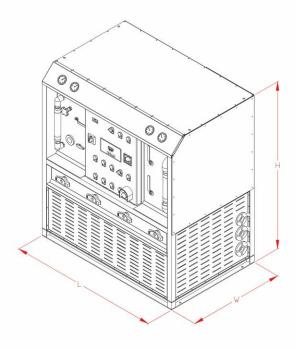
Model	Production by hour (litres / gallons)	Production by day (litres / gallons)	Power supply (Volt) / Frequency (Hz) Installed power (kW)	Max dimensions -L x W x H- (mm)	Weight (kg)
STDC SY 3000	600 / 158	14400 / 3805	400 V AC - 50 Hz 3-phase* - 5.5 kW	1250 × 800 × 1520	425
STDC SY 4500	800 / 211	19200 / 5073	400 V AC - 50 Hz 3-phase* - 5.5 kW	1250 × 800 × 1520	445
STDC SY 6000	1000 / 264	24000 / 6340	400 V AC - 50 Hz 3-phase* - 7.5 kW	1250 x 800 x 1520	465

* other voltages and frequencies available on demand

CONFIGURATION:

Assembled on common frame with the following parts:

- SEAWATER STRAINER
- FEED PUMP
- COARSE BACKWASHABLE FILTER
- CARTRIDGE PREFILTER GROUP
- ANTISCALANT DOSING SYSTEM
- HIGH PRESSURE MOTOR-PUMP SET
- PRESSURE VESSEL GROUP
- CONTROL PANELWITH CONTROL BOX
- ACTIVATED CARBON POST-FILTER
- CLEANING/FLUSHING SYSTEM





TECNICOMAR BICOMPACT

SPECIAL GREEN SERIES:

The new Tecnicomar ECO watermakers produce up to 60% more fresh water and consume up to 35% less of energy consumption than others, based on the same size!

BiCompact is Tecnicomar's duplex watermaker range combining two independent systems on a common stainless steel frame: 2x250 liters/hour (2x1,581 gpd) or 2x350 liters/hour (2x2,213 gpd).

This space & energy saving solution is the first choice when redundancy is needed or the quantity of fresh water is doubling occasionally, on weekends or during high season as the systems can work simultaneously or autonomously. Each unit is fully automatic, but can be switched to manual mode if necessary.

The high reliability and flexibility make it suitable

both for military and research vessels as well as for Superyachts.

The electronic control panel allows a simple control of all operating functions from the main display or via remote control (optional). The light and resistant carbon fibre vessels (TÜV certified) are installed on the top on an overturnable system for easy maintenance and, in case of particular space restraints, they can be removed easily and installed separately.

Ready to be fitted with an automatic membrane flushing system.









BICOMPACT S6/40

VERY EASY TO USE: FULLY AUTOMATIC LOW NOISE OPERATION ONE-TOUCH TECHNOLOGY

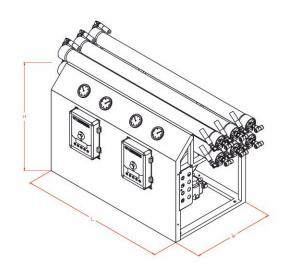


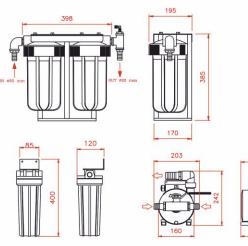


TECHNICAL DATA

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 4/40	500 / 131	12000 / 3162	$400\mathrm{V}\mathrm{AC}$ - $50\mathrm{Hz}$ three-phase* - $2\mathrm{x}$ 4 kW	1190 x 525 x 590	124
BICOMPACT S 6/40	700 / 184	16800 / 4426	$400\mathrm{V}\mathrm{AC}$ - $50\mathrm{Hz}$ three-phase* - $2\times4\mathrm{kW}$	1190 x 525 x 590	130

* other voltages and frequencies available on demand







SAILOR SPECIAL COMPACT GREEN

SPECIAL GREEN SERIES:

The new Tecnicomar ECO watermakers produce up to 60% more fresh water and consume up to 35% less of energy consumption than others, based on the same size!

Tecnicomar Sailor Special Green series has been designed with the scope to reduce the energy demand per produced liter/gallon.

Thanks to an overall process improvement and to the installation of highly innovative membranes, the system allows energy savings of 35% compared to other conventional desalination equipments. It is equipped with an advanced microprocessor controlling all functions and sensors. One-touch-operation system that can be switched to manual operation, if needed.

The Tecnicomar Sailor Special Green stands out for simplicity of use and high quality components like the stainless steel high pressure pump with solid ceramic plungers, the powder coated stainless steel frame, FDA compliant filters and ASME & TÜV certified pressure vessels.

The standard configuration includes a full-featured, ready to install watermaker with automatic pressure regulation and installation kit. On request, the system can be supplied with automatic membrane flushing and a remote control.





SAILOR SPECIAL GREEN 3/44

- EASY USE: FULL AUTOMATIC
- LOW NOISE OPERATION
- MODULAR CONFIGURATION AVAILABLE





SAILOR COMPACT 3/40 WITH ALUMINIUM FRAME

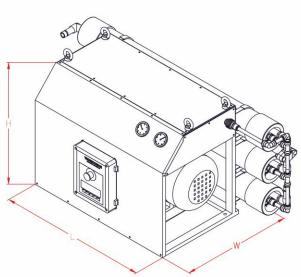
BOOSTER PUMP

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	400 V AC - 50 Hz 3-phase - 2.2 kW	750 × 520 × 360	52
SAILOR SPECIAL 3/21	160 / 42	3840 / 1024	400 V AC - 50 Hz 3-phase - 2.2 kW	$750\times520\times360$	55
SAILOR SPECIAL 2/40	250 / 66	6000 / 1585	400V AC - 50 Hz 3-phase - 4 kW	$1170 \times 520 \times 360$	64
SAILOR SPECIAL 3/40	350 / 92	8400 / 2219	400 V AC - 50 Hz 3-phase - 4 kW	$1170 \times 520 \times 360$	68
SAILOR SPECIAL 2/44	600 / 158	14400 / 3794	400 V AC - 50 Hz 3-phase - 5.5 kW	$1270 \times 600 \times 440$	95
SAILOR SPECIAL 3/44	800 / 210	19200 / 5059	400 V AC - 50 Hz 3-phase - 5.5 kW	$1270 \times 600 \times 600$	110

other voltages and frequencies available on demand





SAILOR COMPACT

The Sailor Compact series is ideal for all sailing and motor boats as well as for superyachts and vessels requesting a considerable quantity of fresh water and the comfort of a microprocessor controlled, one-touch-operation system that can be switched to manual operation, if needed.

The Sailor Compact stands out for simplicity of use and high quality components like the stainless steel high pressure pump with solid ceramic plungers, the powder coated aluminium frame and

the TÜV certified corrosion free and lightweight carbon fiber pressure vessels.

The standard supply includes a full-featured, ready-to-install watermaker with manual pressure regulation and installation kit. On request, the system can be supplied with automatic membrane flushing.

Available in two configurations to ease the installation: compact and modular (Sailor Compact Slim version) for tight spaces.







- EASY USE
- SEMI-AUTOMATIC
- LOW NOISE OPERATION
- MODULAR CONFIGURATION **AVAILABLE**



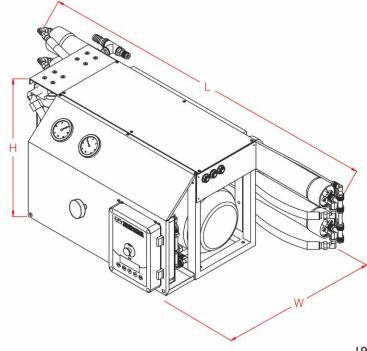
CARBONE

TÜV APPROVED



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	230 V AC - 50 Hz* - 1.1 kW	750 x 520 x 360	52
SAILOR COMPACT 600	100 / 26.4	2400 / 634	230 V AC - 50 Hz* - 1.1 kW	$750 \times 520 \times 360$	55
SAILOR COMPACT 1000	160 / 42.2	3840 / 1014	230 V AC - 50 Hz* - 2.2 kW	$1170 \times 520 \times 360$	64
SAILOR COMPACT 1500	220 / 58.1	5280 / 1395	230 V AC - 50 Hz* - 2.2 kW	1170 × 520 × 360	68
			other ve	Itages and frequencies availa	blo on don







ESSENTIAL

The Essential is a watermaker with production of 100 or 160 litres per hour, ideal for small boats. It is suitable for everyone who can do without electronic and remote controls and just wants a small and reliable system producing safe water. An automatic membrane flushing system is available as an option. The watermaker is mounted in a powder coated solid light alloy frame (compact version) or ready for modular installation in

tight spaces (Essential Slim configuration). The compact version allows to install the membrane pack separately. Available for different electrical voltages and frequencies, on demand.





Accessories

Optional automatic membranes flushing

filter

Optional Carbon filter TCA-SLIO

Re-hardening filter TCC-SL10

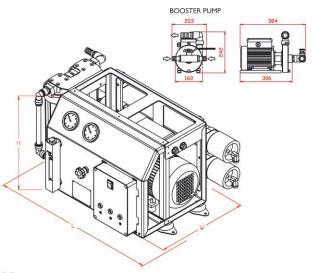
Optional

TECHNICAL DATA

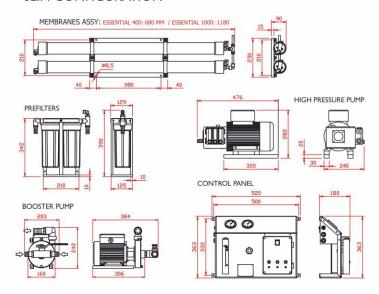
Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Voltage (Volt) / Frequency (Hz) Installed Power (kW)	Max Dimensions -L x W x H- (mm)	Weight (Kg)
ESSENTIAL 400	100 / 26.6	2400 / 639	230 V AC - 50 Hz* - 1.8 kW	680 x 406 x 260	43
ESSENTIAL 1000	160 / 42	3840 / 1014	230 V AC - 50 Hz* - 1.8 kW	1180 x 406 x 260	49

* single phase - other voltages and frequencies available on demand

MODULAR CONFIGURATION



SLIM CONFIGURATION



OASI

The small Oasi Reverse Osmosis desalination plants are the units of choice when power or space is an issue. They can be run from a yacht's batteries, solar or wind power without the need for a generator and are popular on smaller sailing and motor boats that want to stay free from the constraints and expenses of marinas.

These new-generation watermakers use a low-pressure pump to raise water pressure to only about 15 bar. The high pressure necessary to activate the reverse osmosis process (55-60 bar) is reached through an hydraulical pressure intensifier. The system allows energy savings of up to 80% compared to conventional desalination plants as it requires only the initial energy of the low pressure pump to bring the water into the watermaker.

The OASI excells for hands-on simplicity and high quality components like the stainless steel base, clamps and high pressure fittings, FDA compliant membranes and filters and TÜV certified lightweight carbon fiber pressure vessels. On request, the OASI can be supplied with automatic membrane flushing, electronic control box and a remote control for major comfort as well as with an activated charcoal filter to improve the taste of the produced water.





STANDARD FEATURES:

- Low electric power consumption: 4.8 W/liter (average)
- Automatic pressure regulation
- High and low pressure gauges
- Available voltages: I2 / 24 V dc
- Easy installation, control and maintenance





CONFIGURATION:

- SEA COCK VALVE
- 2 CHECK VALVE 3 - SEA STRAINER
- 4 12-24 V dc MOTOR PUMP
- 5 PREFILTER 5 μ
- MEMBRANE PACK



LCIII	C/ (L D/ (I/ (
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 / 24 V DC	14 (12V) / 8 (24V)	26
OASI 60	60 / 15.8	1440 / 379	0.55	12 / 24 V DC	38 (I2V) / 20 (24V)	37





Water Treatment Systems

Tecnicomar designs and manufactures a wide range of products for the pre and post-tratment of the water and for the maintenance of the plants. Every accessory is designed to work in perfect harmony with each watermaker, with the same quality and reliability, even in extreme conditions of work, whether standard of customized. In addition to the pre and post-filtration products, the Technical Department develops management systems and electronic controls for the automation and the remote control of Tecnicomar systems for water treatment.

Pre-treatment

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



TFD SEMI-AUTOMATIC HELICOIDAL FLOW FILTER to preserve prefilters cartridges on the R. O. system from marine debris

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





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



ANTI-SCALANT DOSING SYSTEMS to prevent the formation of scale on the membrane surfaces and membrane fouling



Water Treatment Systems

Post-treatment



CHLORINE DOSING SYSTEM for disinfection of fresh water by chlorine dosage



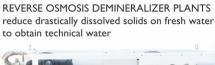
A316L STAINLESS STEEL U.V. STERILIZERS to kill bacteria, virus, pathogenic microorganism and prevent their further reproduction



A316L STAINLESS STEEL FILTER WITH BACKWASH AND BY-PASS for mineralizing filters and carbon (de-chlorating) filters



SILVER ION STERILIZER for the disinfection of drinking water by dosing silver ions





WATE to get potabl low co from a water

ULTRA-FILTRATION WATER PURIFIERS to get bacteria-free potable water with low content of salt from quay and river



WATER SOFTENERS to eliminate completely or partially calcium and magnesium to reduce water hardness



REVERSE OSMOSIS WATER PURIFIERS for fresh and technical water production



Maintenance



AUTOMATIC MEMBRANES CLEANING AND FLUSHING SYSTEMS assures a longer membranes life by a button on control panel



MAINTENANCE KIT: MEMBRANES WASHING AND STORAGE KIT prolong the watermaker life, by cleaning and replacing components

DOSING SYSTEMS

COMPACT AUTO-PROPORTIONAL DOSING SYSTEM:

Programmable membrane dosing pump, microprocessor controlled for dosing of chlorine and silver ions in manual mode / proportional injection multiplier (1xn) / proportional injection multiplier with memory (1xn-M) / proportional injection divisor (1:n). Complete with 10/20/30/60/100/230/315/500 and 1000 litres polyethylene tank, dosing pump and level probe to stop the dosing pump in case of lacking chemical.

Easy connection to an injection counter and to a float gauge (optional).



Dosing unit that can sterilize up to 20 m³/h by mean of Ag+ ion generated by the water flow passage. It is equipped by a detachable instrument panel and twin silver plates double the operating life time and automatic batch operation for bunkered water.

Continuous polarity change prevents clogging. The dosing unit is available with dual mode inputs for two fresh water generators. Reduced maintenance for the electrode replacement.







Water Purifiers

ULTRAPUR

The Tecnicomar UltraPUR water purifier is designed to get bacteria-free potable water with low content of salt from quay and river water.

Low electrical power consumption, easy to move, the water purifier is mounted in a stainless steel frame with wheels. UltraPUR is equipped with sediment and carbon prefiltration to remove impurity and chlorine from the water, with high and low pressure control, flowmeter, pressure regulator, pump for osmotic counterbalance and chemical resistant semipermeable membranes.

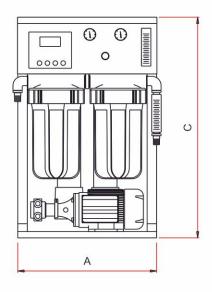
The display of the control panel shows the quality of the produced water in terms of conductivity.

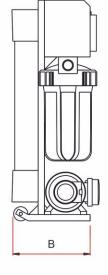


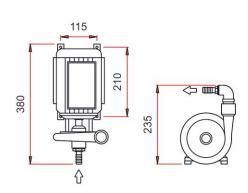


Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Installed Power (kW)	Power supply (Volt / frequency)	Max dimensions -A x B x C- (mm)	Weight (kg)
UltraPUR 800-2	120 / 31	2,280 / 760	0.67	230 V AC - 50 Hz*	500 x 280 x 700	28
UltraPUR 1200-3	180 / 48	4,320 / 1,142	0.67	230 V AC - 50 Hz*	500 x 280 x 700	32
UltraPUR 2000-2	350 / 92	8,400 / 2,119	1.3	230 V AC - 50 Hz*	500 x 280 x 1140	37
UltraPUR 3000-3	480 / 126	11,520 / 3,043	1.3	230 V AC - 50 Hz*	500 x 280 x 1140	40
UltraPUR 5000-2	750 / 198	18,000 / 4,755	1.65	230 V AC - 50 Hz*	670 x 330 x 1200	44
UltraPUR 7500-3	1,150 / 300	27,600 / 7,291	1.65	230 V AC - 50 Hz*	670 x 330 x 1200	48

*single-phase - other voltages and frequencies on demand







Semi-automatic Swirl-effect Filter

TFD FILTERS

The Tecnicomar semi-automatic TFD filter represents an exclusive water filtration system based on a swirl effect. That allows a drastic reduction in the number of washes, saving water, energy and labor costs. The swirl is obtained by means of a propeller at the filter inlet. The propeller creates a twisting motion to the incoming water flow. The suspended particles against the walls centrifuging away from the filtering element. This reduces the frequency of washing. Standard automatic backflush.

APPLICATIONS:

- · Used for filtration of all types of water
- Application in marine sector, industrial processes, agriculture, landscape gardening, etc.

BENEFITS:

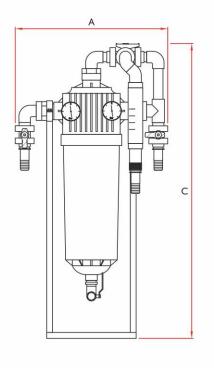
- FILTRATION SYSTEM WITH A HELICAL FLOW
- MODULAR, VERSATILE AND EASY MAINTAINANCE
- MADE OF REINFORCED NYLON WITH FIBERGLASS
- SAVES WATER AND ENERGY
- HIGH RESISTANCE TO CLOGGING
- EASY AND QUICK CONNECTION
- HYDROCYCLONE EFFECT

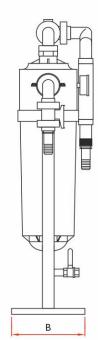
TECHNICAL DATA TFD SEMI-AUTOMATIC

Maximum Flow (m3/hour)	IN / OUT Backwash	DRAIN	Dim A	ensions B	(cm) C	Weight (kg)
2.2	1"	1/2"	52	25	89	14
3.6	1"	1/2"	52	25	89	14
6	1" 1/4"	1/2"	52	25	89	14
9	1" 1/2"	1/2"	52	25	89	14
12	2"	1/2"	52	25	89	14

Available with 20 μ , 50 μ & I 00 μ filtration







BFS FILTERS

BFS FILTERS FOR EMBARKING & DELIVERING OF WATER: suitable for filtration of fresh and sea water in marine application and industry. Mounted on stainless steel stand or with mounting brackets.

- BFS I:one filter housing with single or double filtration cartridge 10" or 20"
- BFS 2: two filter housings with filtration cartridges 10" or 20"
- BFS 3: three filter housings with double filtration cartridges 10" or 20"

For the BFS 2 and BFS 3 we suggest to combine a single or double filtration cartridge (BIG BLUE) and one with activated carbon. The BFS series can be used also as oil/water separator with coalescent cartridges. The flow rate may vary depending on the feed pressure and the cartridge type.



R30-20"-BB: 30 µm filtration



DGD-5005-20"-BB: 2-stages filtration, 50 & 5 µm filtration



EPM-20"-BB: activated carbon. 10 um filtration



CP5-20"-BB: 5 µm filtration



BFS I 20"

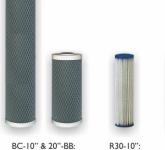




BFS 2 10"







oil-water separator

30 µm filtration



P5-10": 5 µm filtration



Model	Max flow rate per hour (litres/gallons)	Fittings (inch)	Dimensions (mm) -L x W x H-	Weight (kg)	
BFS I 10"	9,000 / 2,377	1/4" - 3/8" - 1/2" - 3/4"	130 x 150 x 370	4	
BFS 2 10"	9,000 / 2,377	1/4" - 3/8" - 1/2" - 3/4"	280 x 150 x 370	6	
BFS 3 10"	9,000 / 2,377	1/4" - 3/8" - 1/2" - 3/4"	420 x 150 x 370	8	
BFS I 10"-BB	16,000 / 4,227	1"-1 1/2"	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 I 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"1/2	380 x 220 x 670	10	
BFS 3 20"-BB	16,000 / 4,227	1"-1"1/2	580 x 220 x 670	14	

FILTER CARTRIDGES MADE IN U.S.A.

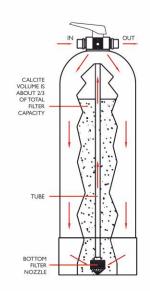


Filtration

TCA CARBON FILTER

TecnicomarTCA activated carbon filters are effectively removing contaminants and impurities from water, such as chlorine, volatile organic compounds (VOCs) and sediments. Chlorine is irrating skin and the respiratory system: installing this de-chlorinating filter, you will immediately notice the difference when taking a shower or preparing your coffee.

Assuring regular backwashing, the filtered water is safe, odor free and has an improved taste. If the water used for backwashing does not contain any chlorine, it is recommended to install a UV Sterilizer after the Carbon Filter to perfectly disinfect the water.





CARBON FILTER - TECHNICAL DATA

Model	Treated Water (liters/gallons per hour)	Treated Water (liters/gallons per day)	Max dimensions (mm)				
TCAI	1,000 / 264	24,000 / 6,332	diameter 220 x 948				
TCA2	1,500 / 395	4,320 / 9,498	diameter 310 x 1,230				
TCA3 3,000 / 791 72,000 / 18,997 diameter 380 x 1,300							
OTHER MODELS AVAILABLE ON REQUEST							



- EN12915 Compliant
- KIWA ATA Certificated
- United Kingdom Drinking Water Inspectorate Approved







Tecnicomar TCC calcite filters neutralize the pH value to a non-corrosive equilibrium, making it safe for the human organism. While passing through the filter, the water is enriched with Magnesium carbonate and Calcium.

This re-hardening procedure prevents the potential leaching of copper, lead and other metals typically found in plumbing systems. The calcite bed needs to be periodically replenished as the minerals are depleted.



Model	Treated Water (liters/gallons per hour)	Treated Water (liters/gallons per day)	Max dimensions (mm)
TCCI	1,000 / 264	24,000 / 6,332	diameter 217 x 948
TCC2	1,500 / 395	4,320 / 9,498	diameter 260 x 980
TCC3	3,000 / 791	72,000 / 18,997	diameter 390 x 1,308
	OTHER M	ODELS AVAILABLE ON	REQUEST



WATER SOFTENERS with Chlorine Generator

The Tecnicomar water softeners are ideal for nautical applications in order to eliminate completely or partially calcium from the tap water to reduce hardness, cause of scaling in pipes and appliances.

With the passage of water through a bed of synthetic resins, calcium and magnesium salts are retained. The resin regeneration is done automatically by cyclic flushing-scheduled either after a set period of time or volume- with a saturated salt solution contained inside a reservoir connected to the softener. The Tecnicomar automatic water softeners are available in a double-body (with a separated salt container), all-included case and portable models.

STANDARD EQUIPMENT:

- REINFORCED FIBERGLASS CASE
- 5-CYCLES VOLUME FLECK VALVE
- MANUAL BY-PASS VALVE FOR WATER SOFTENER EXCLUSION
- AUTOMATIC REGENERATION AT A VOLUME PRE-SET
- I "F GAS BRASS FITTINGS
- MANUAL BY-PASS DEVICE TO SET THE DESIRED DEGREE OF HARDNESS
- SELF-DISINFECTION SYSTEM TO PURIFY THE RESINS AT EVERY FLUSHING CYCLE
- LOW SALT LEVEL INDICATOR









Model	MAX FLOW (m³/hour)	CYCLIC CAPACITY (m³/F)	0	SALT CONSUMPTION PER CYCLE (kg)	DIMENSIONS	SALT CONTAINER DIMENSIONS) (LxFxH - mm)	SALT CAPACITY (litres)	CABINET DIMENSIONS (LxWxH -mm)	TOTAL DIMENSIONS (LxWxH -mm)	IN/OUT (M GAS) (")	TOTAL WEIGHT (kg)
SPF SOFTENERS WITH MA	NUAL REC	GENERATIO	N								
SPF 7 -HORIZONTAL-	0.7	40	7	1.3	210 x 480	120 x 120 x 300	3.7	=:	690x330x330	1/2	15
SPF 7 -VERTICAL-	0.7	40	7	1.3	210 x 480	120 x 120 x 300	3.7	-	325x325x490	1/2	15
SPF 10 -HORIZONTAL-	1	60	10	1.8	181 x 645	120 x 120 x 300	3.7	-	850x310x310	1/2	18
SPF 10 -VERTICAL-	1	60	10	1.8	181 x 645	120 x 120 x 300	3.7	-	295x295x650	1/2	18
SPF 10 C SEMI-AUTOMATIC	3 1	60	10	1.8	181 x 646	120 x 120 x 300	included	320x520x740	320x520x740	3/4	91
SPF 16 -VERTICAL-	1.6	90	16	2.9	181 x 910	120 x 120 x 300	3.7	-	295x295x920	1/2	26
SPF 28 C SEMI-AUTOMATIC	2.8	160	28	5	260 x 910	120 x 120 x 300	included	320x520x1160	320x520x1160	3/4	136

Model	MAX FLOW	CYCLIC CAPACITY	RESIN CAPACITY	SALT CONSUMPTION	TANK DIMENSIONS	SALT CONTAINER DIMENSIONS	SALT CAPACITY	CABINET DIMENSIONS	TOTAL DIMENSIONS	IN/OUT (M GAS)	TOTAL WEIGHT
	(m³/hour)	(m^3/F)	(litres)	PER CYCLE (kg)	(diam.xH - mm) (LxFxH - mm)	(litres)	(LxWxH -mm)	(LxWxH -mm)	(")	(kg)
DUPLEX SOFTENERS WI	TH CHLORI	NE GENER	ATOR AND	VOLUME CONTR	OLLED REGEN	ERATION					
AD/APX 15/2	3	180	30	5.4	181x910	340x900	75	-	480x215x1090	1	130
AD/APX 30/2	6	360	60	10.8	260x910	460x760	100	-	620x300x1090	1	200
AD/APX 50/2	6	600	100	18	310x325	460x760	100	-	720x350x1500	1	245
AD/APX 60/2	6	720	120	21.6	310x1100	540x1010	200	-	720x350x1280	1	385
AD/APX 75/2	11	900	150	27	360x1185	540x1010	200	-	820x400x1370	1	430
AD/APX 100/2	11	1200	200	36	360x1690	840x1010	400	-	820x400x1880	1	705
AD/APX 150/2	11	1800	300	54	410x1665	840x1010	400	-	900x450x1850	1 1/2	830
AD/APX 200/2	31	2400	400	72	475x1900	1000x1370	800	-	1050x515x2220	1 1/2	1385
AD/APX 300/2	31	3600	600	108	610x1880	1160x1540	1000	-	1330x660x2200	2	1560

UV ANTI-BACTERIA SYSTEMS

The Tecnicomar U.V. anti-bacteria systems can eliminate 99% bacteria and viruses from the fresh water and get bacteria free water without adding chemicals like chlorine. The UV anti-bacteria systems are equipped with a sediment prefilter to increase efficiency of the UV rays, and an activated carbon filter to remove bad smell and taste from the water. Can be installed on the produced fresh water outlet of the watermaker or after the pressure tank on the water distribution pipeline.

The lifetime high intensity anti-bacteria UV lamp is estimated in 9,000 hours of continuous service.





FILTER CARTRIDGES MADE IN USA

TECNICOMAR

UVB2-SD/CBC



UV20-3-SD/EPM

TECNICOMAR

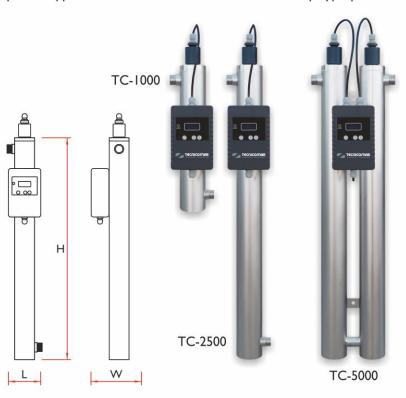
UVBB-2/SD 20"

I LCI II VICAL DAIA							
Model	Litres/min.	Litres/hour	Filtration type	Absorption (Watt)	Power supply (Voltage / Frequency)	In/Out (inch)	Dimensions (mm) -L x W x H-
SERIE UV (4 I/min max. p	ressure 4 ba	ır)					
UVI-CBC	4	240	activated carbon 0.5 μm	10W	230 Volt AC / 50 Hz*	1/2	120x120x400
UVI-EPM	4	240	activated carbon 10 μm	10W	230 Volt AC / 50 Hz*	1/2	120x120x400
UV2-SD/CBC	4	240	PP 5 μm + activated carbon 0.5 μm	10W	230 Volt AC / 50 Hz*	1/2	240x120x400
UV2-SD/EPM	4	240	activated carbon 10 μm	10W	230 Volt AC / 50 Hz*	1/2	240x120x400
SERIE B (8 I/min max. pre	ssure 4 bar)						
UVB1-CBC	8	480	activated carbon 0.5 μm	10W	230 Volt AC / 50 Hz*	3/4	130x150x400
UVB1-EPM	8	480	activated carbon 10 μm	10W	230 Volt AC / 50 Hz*	3/4	130x150x400
UVB2-SD/CBC	8	480	PP 5 μm + activated carbon 0.5 μm	10W	230 Volt AC / 50 Hz*	3/4	280x150x400
UVB2-SD/EPM	8	480	activated carbon 10 μm	10W	230 Volt AC / 50 Hz*	3/4	280x150x400
SERIE 20 (38 I/min max.)	bressure 4 bo	ar)					
UV20-1	38	2,280		18W	230 Volt AC / 50 Hz*	3/4	280x160x630
UV20-2/SD	38	2,280	PP 50/5 μm	18W	230 Volt AC / 50 Hz*	3/4	280x160x630
UV20-2/EPM	38	2,280	activated carbon 10 μm	18W	230 Volt AC / 50 Hz*	3/4	280x160x630
UV20-3/SD/EPM	38	2,280	PP 50/5 μm + activated carbon 10 μr	n 18W	230 Volt AC / 50 Hz*	3/4	420x160x630
SERIE BIG BLUE (57-114	l/min max.	pressure 6	bar)				
UVBB-I	57	3,420		18W	230 Volt AC / 50 Hz*	1 1/2	200x240x760
UVBB-2/SD 20"	57	3,420	PP 50/5 μm	18W	230 Volt AC / 50 Hz*	11/2	640x240x760
UVBB-2/SD 20" X 2	57+57	6,800	PP 50/5 μm	18W	230 Volt AC / 50 Hz*	1 1/2	640x480x760
UVBB-2/EPM	57	3,420	activated carbon 10 μm	18W	230 Volt AC / 50 Hz*	1 1/2	380x210x720
UVBB-3/SD/EPM	57	3,420	PP 50/5 μm + activated carbon 10 μm	n 18W	230 Volt AC / 50 Hz*	1 1/2	640x240x760

STAINLESS STEEL UV STERILIZERS

The Tecnicomar stainless steel UV systems made in AISI 304L stainless steel (or AISI 316L if required) with high intensity low voltage UV lamp can eliminate 99.9% of bacteria and viruses from the fresh water. Suitable for high rates exigencies, they are usually installed after the pressure tank and can be supplied with a prefiltration system to obtain a better efficiency of the UV radiations. The lifetime high intensity anti-bacteria UV lamp is estimated in 9,000 hours of continuous service.

Suitable for marine, home, commercial and industrial use, they can be power supplied 220/240V a.c. - 50/60 Hz. Also available in polypropilene.







Model	Litres/min	Litres/hour	Absorbption (Watt)	Power supply (Voltage / frequency)	In/Out (inch)	Dimensions (mm) -L x W x H-	Weight (kg)
TC SYSTEM INOX (Max	pressure: 8 bar)						
TC-1000	17	1,000	40	230 V AC / 50 Hz*	3/4"	130 x 160 x h 950	7
TC-2500	40	2,500	40	230 V AC / 50 Hz*	1"	130 x 160 x h 950	9
TC-2500 BB 20"	40	2,500	40	230 V AC / 50 Hz*	1"	130 x 160 x h 950	1.1
TC-5000	83	5,000	80	230 V AC / 50 Hz*	1"	130 x 160 x h 950	16
TC-5000 BB 20"	76	4,560	80	230 V AC / 50 Hz*	1"	130 x 160 x h 950	18
TC-8000	133	8,000	165	230 V AC / 50 Hz*	1 1/4"	130 x 160 x h 950	17
TC-9000	150	9,000	250	230 V AC / 50 Hz*	DN 40	130 x 160 x h 950	35
TC-13000	217	13,000	500	230 V AC / 50 Hz*	DN 50	130 x 160 x h 950	35

Model	Flow rate	Lamp power	Power supply (Voltage / frequency)	Dimensions (mm) -L x W x H-	Weight (kg)
TC AF SERIES	from 64.3 l/min to 6,433 l/min from 3,860 l/hour to 386,000 l/h	from 55 W to 3,160 W	230 V AC / 50 Hz*	from 330 x 200 x 120 mm to 760 x 760 x 300 mm	from 8 kg to 206 kg

WATER PURIFIERS

AquaPUR is a line of Reverse Osmosis water purifiers with direct fresh water production from 70 to 100 liters/hour. No more bottles of mineral



water need to be carried on board. Available in 4 different dimensions, it is contained in a solid stainless steel frame and provides safe water for drinking, washing fruits, vegetables and cooking, directly from the tap. It features a dual filtration system with a 5 micron polypropylene pre-filter and a granular activated carbon pre-filter of 25 microns which guarantee - together with the Reverse Osmosis membrane- the removal of suspended particles such as sand, rust, sediments, chlorine, nitrates, bacteria, viruses, pesticides and any other pollutants that might be dissolved in the water, keeping unchanged the salinity balance and making the water pure from any chemical and bacteriological pollution. AquaPUR is also recommended for ice makers, coffee machines and for the production of beverages. Easy installation, even in tight spaces. Standard kit for installation and oversink tap.

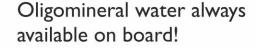






AQUAPUR FLAT

AQUAPUR PLUS & CARBONATOR: FRESH WATER & SPARKLING WATER



ACCESSORIES:

- Additional tap for water at room temperature
- Filtration and chlorination system with U.V. sterilizer
- CO₂ gasification system
- Electronic control panel with LCD display for visual monitoring of the water conductivity
 optional



AquaPUR is equipped with filtering cartridges and membranes MADE IN U.S.A.



CONTROL OF DRINKING WATER

AQUAPUR SLIM

weight >300

Sodium	90-95%	Lead	93-98%
Calcium	93-98%	Chlorides	90-95%
Magnesium	93-98%	Bicarbonate	90-95%
Potassium	90-95%	Nitrates	85-90%
Aluminium	93-98%	Fluoride	90-95%
Copper	93-98%	Phosphates	93-98%
Vickel	93-98%	Chromate	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	CONTAM	INANTS AND PA	RTICLES
Bacteria	>99%	Asbestos	>99%
Protozoan	>99%	Sediments	>99%
Giardia	>99%	Turbidity	>99%

Technical Data

Model	Production by hour (litres)	Production by day (litres)	Power supply (Volt) - Frequency (Hz) Installed power (W)	Max dimensions -W x D x H- (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
AquaPUR Plus + Carbonator	70	1,680	230 V AC - 50 Hz - 187 W	245 x 380 x 375

HOUSEHOLD DEVICES FOR THE TREATMENT OF DRINKABLE WATER ACCORDING TO THE ITALIAN MINISTRY OF HEALTH (DECREE NO. 443 1990/12/21th)

REVERSE OSMOSIS CHILLERS

Tecnicomar OsmoFRESH 100 & 200 are a pedestal cooler with a Reverse Osmosis system ideal for ships, communities, company canteens, offices, schools and wherever safe drinking water is needed. They are made of a sturdy plastic-coated galvanized steel and stainless steel for maximum durability and has no storage tank! The Reverse Osmosis system produces 35 or 60 liters/hour of fresh water that is instantly chilled through a cooling coil in less than 3 minutes with a cooling capacity of 450 Kcal/h, with 70% energy saving. A second dispenser provides fresh water at ambient temperature.

OsmoFRESH has got a cooling chamber with silver particles and antibacterial sanitizing properties. Refrigeration is in full compliance with environmental regulations: the gas refrigerant is environmentally friendly HFC 134A with zero ODP (Ozone Depletion Potential). OsmoFRESH 200 has a frontal compartment for optional filters for purification. It is equipped with a special system to operate at ambient temperatures up to 43 °C.



OSMOFRESH 100

	OsmoFRESH 100	OsmoFRESH 200
Production (liters/hour)	35	60
Chilled water temperature	10 °C	10 °C
Power supply and absorption	230 V AC -	300 W/hour
Dimensions (cm)	31 x 31 x 105 cm	35 x 35 x 125 cm

ambient temperature at 27 °C and max 1,000 ppm TDS

CHILLERS + CARBONATORS

Tecnicomar AquaMIX and AquaMIX I (Top & Under versions) is a compact, high performing and automatic system that supplies instant fresh water: chilled, sparkling and at room temperature. Aquamix I Top is the only device that has got a front compartment for housing the front purification filter (optional) and CO2 cylinder, with easy access that allows a simple maintenance by user. It has got quick and simplified connectors for easy oversink installation. The Aquamix I Under model, with the same characteristics, is designed to be installed under the sink. No external water tank! For high production, AquaMIX is the ideal solution on board for your chilled and sparkling fresh water.





AquaMIX & OsmoFRESH are equipped with filtering cartridges and membranes MADE IN U.S.A.



TECHNICAL DATA

	AquaMIX I Top	AquaMIX I Under	AquaMIX (Top & Under versions)
Power supply (voltage / frequency)	230 V AC - 50 Hz	230 V AC - 50 Hz	230 V AC - 50 Hz
Power consumption (Watt / hour)	240 W	110W	370 W
Type of refrigerant gas	HFC 134A	HFC 134A	HFC 134A
Dimensions (w x d x h - cm) - Weight (Kg)	38 x 24 x 52 - 24 Kg	38.5× 24 × 32.5 - 21 Kg	30 × 38 × 28 - 23 & 17 Kg

AOUAMIX UNDER

-UNDERSINK-

COOLING CAPACITY

Liters of cold water per hour at 18 °C	19	19	40
Glasses of cold water of 200 CC per hour	95	95	200

AQUAMIX TOP

CUSTOMIZED SYSTEMS

Tecnicomar designs and manufactures Reverse Osmosis fresh water generators, Water Treatment Systems and Sewage Treatment Plants, tailor-made according to customer's needs. High flow rate, continuous operation, suitability to hard working environments, customized configurations: all these are the main features of Tecnicomar's equipment.



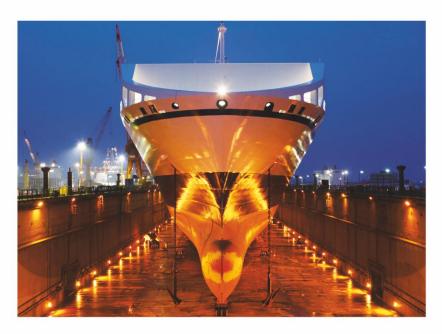
Shipyards Reference List



REFERENCES

he Tecnicomar's Professional Systems are ideal for Naval and Marine applications being designed on purpose to work on the most hard conditions of duty, ever with high production of fresh water and maximum reliability.

Some international outstanding clients among the most important shipyards worldwide using Tecnicomar's Reverse Osmosis Watermakers.



ALLOY YACHTS AZIMUT BALTIC YACHTS BENETEAU BENETTI **BHARATI SHIPYARD BILGIN YACHTS** BOURBON **BRODOSPLIT CERRI CHRISTENSEN** CNB

EGEYAT EMIRATES BOATS ENIMED FERRETTI FILIPPETTI YACHTS FINCANTIERI GRANDWELD GULF CRAFT HINDUSTAN HORIZON YACHT HUDSON INTERMARINE ISA GROUP **LARSEN & TOUBRO**

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**







CODECASA

DAMEN







LIBERTY LINES

































DOMINATOR ILUMEN















































REFERENCES

he Tecnicomar's Professional Systems are ideal for Navy, Naval & Oil & Gas applications being designed on purpose to fully comply with electrical, mechanical, shock, noise and vibration standards to fit for all environment.

Some international outstanding clients among the most important companies worldwide using Tecnicomar's equipment:



















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 SDN BHD - Cargo ship: SAILOR MD 2000 R. O. Watermaker

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

ARCHTREST - 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

CMHI MPV OFFSHORE STDC SY 12000 R. O. Watermaker **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 TCA/7X / 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 -Norvegian 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 B.V. - Cargo vessel:

ECOmar 8 STP System

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

INTERMARINE S.P.A. - Cacciamine:

APX- 75/2 Automatic Water Softener

INTERMARINE S.P.A. - UNPAV (High-speed multi-

purpose 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 SHIPBUIDING - 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 - Communication 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

vesse

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 patrol

boats:

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

SEVSUDOREMONT - Passenger vessel:

ECOmar 24 STP System

SAILOR S 3/40 R. O. Watermaker

SHANNON FERRIES GROUP - River ferry:

ECOmar 16 STP System

SHIPYARD ZVEZDOCHKA, ASTRAKHAN -

Multipurpose vessel:

ECOmar 50 STP System

SHOFT SHIPYARD - Navy ammunition barges:

ECOmar 6 STP System

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

YUGMORGEOLOGIA - Scientific vessel:

ECOmar 6 STP System

ZELENODOLSK SHIPYARD - Floating dock:

ECOmar 24 STP System

ZNT SHIPYARD - Diving boat:

ECOmar 6 STP System





































TECNICOMAR S.p.A.



