







Osmosea[®] is a company that for over 15 years is dedicated to the development, production and marketing of reverse osmosis watermakers and purifiers for nautical, civil and industrial use, operating in the national and international market as a synonym of reliability and quality.

Osmosea[®]' s primary objective is the complete satisfaction of the technicalfunctional needs of its customers, an objective achieved thanks to the accurate production process, the efficient after-sales service and above all a Research and Development department which plays an essential and constant role in researching into materials and technology to ensure that the systems produced by Osmosea[®] stand out for their uniqueness and innovation. All factors that have allowed the company to produce a range of systems that can meet the needs of any type of yacht: Watermakers with Energy Recovery for small and medium-sized boats and Watermakers for Mega and Super Yachts.









ENERGY RECOVERY WATERMAKER

Energy Recovery Watermaker, equipped with Osmosea[®] Pressure Intensifier. Simple and Essential with a Micro Computer control unit for better monitoring. Direct battery power supply, easy installation, compact in size.



Energy saving Direct supply from batteries Respect for the environment



NEW12 S30



NEW12 S50



NEW12 \$65



NEW12 \$65C



NEW12 S100C



NEW12 S100 / S150



REMOTE PANEL

ACCESSORIES INCLUDED

- Osmosea® Pressure Intensifier
- Stainless Steel Feed Pump
- (Diaphragm pump on New12 S 30 model)
- Pre-filter
- Post-filter
- Flushing SystemCarbon Filter for Flushing
- Remote Panel
- Watermaker control unit with Micro Computer
- Installation Kit (Pipes, Fittings, Clamps)
- Non Return Valve



- Brushless Motor on Feed Pump
- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and winterizing products)

Extremely Quiet; Energy efficiency; Reduced speed on Flushing; Soft Start; Reduced size; Savings of 50% fresh water and energy during Flushing.

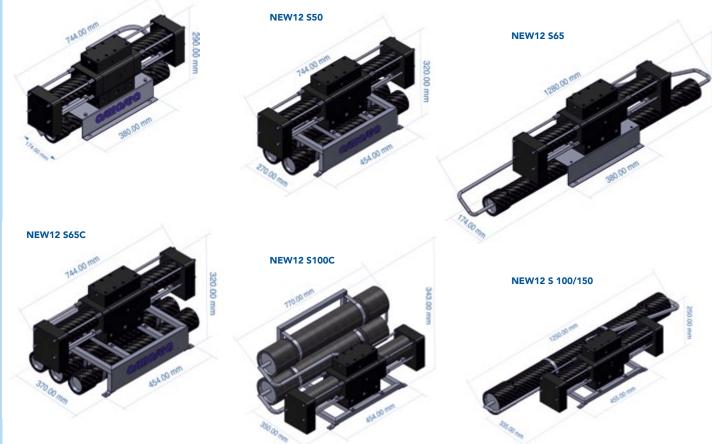
REMOTE PANEL FUNCTIONS

- Start/Stop
- Osmotic Membrane Flushing



SYSTEMS DIMENSIONS

NEW12 S30



NEW12S		Production		Maltana	Power co	nsumption		
	Lt/h	Lt/day	Gal/day	Voltage			Weight (kg)	
NEW12 S 30	30	720	190,2	12 VDC	10 A	120 W	30	
INEVV 12 5 50		720	190,2	24 VDC	5 A	120 VV	30	
NEW12 S 50		1200	217.0	12 VDC	20 A	240 W	34	
INEVV12 5 50	50	1200	317,0	24 VDC	10 A	240 VV	54	
NEW12 S 65	65	15(0	412,2	12 VDC	23 A	300 W	36	
NEVV12 5 65	65	1560	412,2	24 VDC	11,5 A	300 W		
	65	1560	412,2	12 VDC	23 A	200 M/	10	
NEW12 S 65C		1560		24 VDC	11,5 A	300 W	40	
		2400	634,1	12 VDC	35 A	420 W		
NEW12 S 100	100			24 VDC	17,5 A		50	
				230 VAC	5 A	0,75 kW		
				12 VDC	32 A	420 W		
NEW12 S 100C	100	2400	634,1	24 VDC	16 A	420W	52	
				230 VAC	5 A	0,75 kW		
	150	2/00	951,1	24 VDC	24 A	600 W	50	
NEW12 S 150	150	3600		230 VAC	6 A	0,75 kW		

newl2

ENERGY RECOVERY WATERMAKER

Automatic Energy Recovery Watermaker, equipped with Osmosea[®] Pressure Intensifier. Compact and easy to install thanks to its one piece skid. One touch operation with Color TouchScreen, the watermakers of the New12 line are able to manage and execute functions without an operator. Direct power supply from batteries. Compatible with NMEA 2000 Multifunction Displays.

ACCESSORIES INCLUDED

- Osmosea® Pressure Intensifier
- Stainless Steel Feed Pump with Brushless Motor
- Pre-filter
- Post-filter
- Automatic Flushing System
- Carbon Filter for Flushing
- Touchscreen Remote Panel
- Digital System Control Unit
- Brushless Motor Control Unit
- NMEA 2000 compatibility
- Non Return Valve
- Installation Kit (Pipes, Fittings, Clamps)
- Automatic discard of the Unsafe water

OPTIONAL

- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and winterizing products)

REMOTE PANEL FUNCTIONS

- Automatic stop by means of programming liters to produce or working hours
- Inlet pressure reading
- Filter clogging percentage reading with Cartridge Replacement alarm
- Freshwater product flowmeter lt/h
- Salinometer on freshwater produced
- Flowmeter
- Instant and periodic automatic osmotic membrane flushing
- Automatic pressure adjustment





NEW12 30



[•] NEW12 50



NEW12 65



NEW12 100/150C



NEW12 150



REMOTE PANEL



SYSTEMS DIMENSIONS



NEW12 50



NEW12 100

NEW12 150C





		Production		Maltara	Power co	nsumption	Woight (kg)	
new12	Lt/h	Lt/day	Gal/day	Voltage	i ower co	nsumption	Weight (kg)	
NEW12 30	30	720	100.0	12 VDC	10 A	120 W	45	
	30	720	190,2	24 VDC	5 A	120 VV	45	
NEW12 50	50	1200	217.0	12 VDC	20 A	240 W	50	
INEVVIZ 50	50	1200	317,0	24 VDC	10 A	240 VV	50	
		15(0	412,2	12 VDC	23 A	- 300 W	56	
NEW12 65	65	1560		24 VDC	11,5 A	300 W	50	
		2400	634,1	12 VDC	30 A	400.144	63	
NEW12 100	100			24 VDC	17,5 A	420 W		
				230 VAC	5 A	0,75 kW		
	150	2/00	051.1	24 VDC	24 A	600 W		
NEW12 150	150	3600	951,1	230 VAC	6 A	0,75 kW	65	
		2/00		24 VDC	24 A	600 W		
NEW12 150C	150	3600	3600 951,1		6 A	0,75 kW	63	



ENERGY RECOVERY WATERMAKER

Energy recovery watermaker consist of two independent watermakers but installed on one single frame. The two systems are controlled by a Single Remote Panel which can be operated individually or simultaneously depending on water needs or in case of maintenance of one of the two units. The two system can be powered with different voltages to meet yacht needs.

ACCESSORIES INCLUDED

- Osmosea[®] Pressure Intensifier
- Stainless Steel Feed Pump
- Pre-filter
- Post-filter
- Flushing System
- Carbon Filter for Flushing
- Double Remote Panel
- Watermaker control unit with Micro Computer
- Installation Kit (Pipes, Fittings, Clamps)
- Non Return Valve

OPTIONAL

- Brushless Motor on Feed Pump - Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and winterizing products)

REMOTE PANEL FUNCTIONS

- Start/Stop
- Osmotic Membrane Flushing





DOUBLE REMOTE PANEL

TECHNICAL FEATURES

Manace		Production			Power o	onsumption		
		Lt/day	Gal/day	Voltage	i ower e	onsumption	Weight (kg)	
				12 VDC	35A + 35A	400144 - 400144	95	
NEW12 S 200 DUO	100+100	2400 + 2400	634,1 + 634,1	24 VDC	17,5A + 17,5A	420W + 420W		
				230 VAC	5A + 5A	0,75kW + 0,75kW		
				12VDC+230VAC	35A + 5A	420W + 0,75kW		
				24VDC+230VAC	17,5A + 5A	420W + 0,75kW		
				24 VDC	24A +24A	600W + 600W		
NEW12 S 300 DUO	150+150 3600	3600 + 3600	951,1 + 951,1	230 VAC	6A + 6A	0,75kW + 0,75kW	95	
				24VDC+230VAC	24A + 6A	600W + 0,75kW		



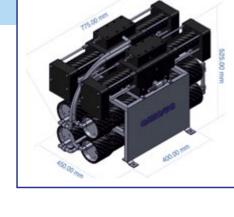


Energy saving Direct supply from batteries Respect for the environment



NEW12 S200DUO NEW12 S300DUO

Extrely Quiet; Energy efficiency; Reduced speed on Flushing; Soft Start; Reduced size; Savings of 50% fresh water and electricity during Flushing



new **ENERGY RECOVERY** WATERMAKER

Energy recovery watermaker consist of two independent watermakers but installed on one single frame. The two systems are controlled by a Single Touchscreen Remote Panel which can be operated individually or simultaneously depending on water needs or in case of maintenance of one of the two units. The two system can be powered with different voltages to meet yacht needs.

ACCESSORIES INCLUDED

- Osmosea® Pressure Intensifier
- Stainless Steel Feed Pump with Brushless Motor
- Pre-filter
- Post-filter
- Flushing System
- Automatic discard of the unsafe water Extrely Quiet;
- Carbon Filter for Flushing
- Touchscreen Remote Panel
- Digital System Control Unit
- Brushless Motor Control Unit - NMEA 2000 compatibility
- Non Return Valve
- Installation Kit (Pipes, Fittings, Clamps)
- **REMOTE PANEL FUNCTIONS**
- Automatic stop by means of programming liters to produce or working hours
- Inlet pressure reading
- Filter clogging percentage reading with Cartridge Replacement alarm

Energy efficiency;

Reduced speed on Flushing;

Soft Start;

Reduced size;

Savings of 50% fresh water and electricity during Flushing

- Freshwater product flowmeter lt/h
- Salinometer on freshwater produced
- Flowmeter
- Instant and periodic automatic osmotic membrane flushing
- Automatic pressure adjustment

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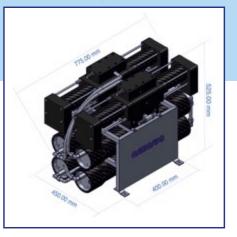
Energy saving Direct supply from batteries Respect for the environment



NEW12 200DUO

OPTIONAL

- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and winterizing products)





REMOTE PANEL

		Production			Power consumption		Woight (kg)	
	Lt/h	Lt/day	Gal/day	Voltage	i offer e	onsumption	Weight (kg)	
	EW12 200 DUO 100+100 2			12 VDC	30A + 30A	420144 - 420144	. 110	
NEW12 200 DUO		2400 + 2400	634,1 + 634,1	24 VDC	17,5A + 17,5A	420W + 420W		
				230 VAC	5A + 5A	0,75kW + 0,75kW		
				12VDC+230VAC	35A + 5A	420W + 0,75kW		
				24VDC+230VAC	17,5A + 5A	420W + 0,75kW		
				24 VDC	24A +24A	600W + 600W	110	
NEW12 300 DUO	150+150	3600 + 3600	951,1 + 951,1	230 VAC	6A + 6A	0,75kW + 0,75kW		
				24VDC+230VAC	24A + 6A	600W + 0,75kW		

Classic

Simple and reliable watermaker. Supplied in one piece or in modular version in steel Inox AISI 316 structure for easy installation and maximum reliability over time.



CLASSIC 2215



CLASSIC 321S



CLASSIC 240S



CLASSIC 140L

CLASSIC 240L



ACCESSORIES INCLUDED

- Stainless Steel Feed Pump
- Pre-filter
- Post-filter
- Watermaker control unit with Micro Computer
- Flushing System
- Carbon Filter for Flushing
- Installation Kit (Pipes, Fittings, Clamps)

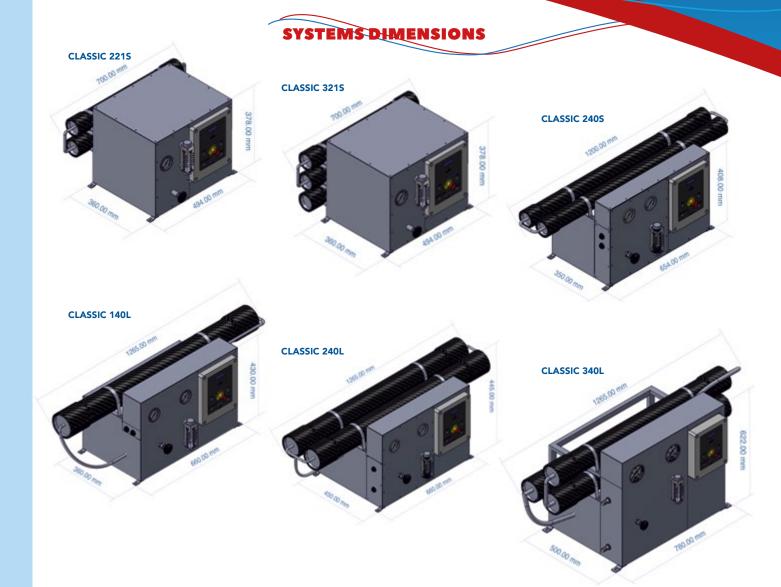
OPTIONAL

- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and wintering products, High Pressure Pump Oil)

REMOTE PANEL FUNCTIONS

- Start/Stop
- Start Flushing
- Salininometer on freshwater produced





Classic		Production		Valtaria	Derror commution	Mainht (ka)	
Classic	Lt/h	Lt/day	Gal/day	Voltage	Power consumption	Weight (kg)	
Classic 221S	85	2040	539,0	230 VAC	1.6 kW	46	
	05	2040	557,0	110 VAC	1.0 KW		
Classic 321S	140	3360	887,7	230 VAC	2 kW	57	
Classic 3213	140	140 3360		110 VAC	Z KVV	57	
				230 VAC			
Classic 240S	200	4800	1268,2	110 VAC	2.4 kW	75	
				400 VAC			
		6000	1585,2	230 VAC	3.2 kW	83	
Classic 140L	250			110 VAC			
				400 VAC	-		
				230 VAC			
Classic 240L	480	11520	3043,6	110 VAC	 3.6 kW	88	
				400 VAC			
Classic 340L	720	17280	4565,4	400 VAC	6.2 kW	165	



Latest generation automatic watermaker. One touch operation with Color TouchScreen. Equipped with an automatic pressure adjustment system and flushing Automatic systems, watermakers of the EVO line are able to manage and execute functions without an operator. Provided in compact or in modular version on steel Inox AISI 316 structure for easy installation and maximum reliability over time.

Compatible with NMEA 2000 multifunction displays.

ACCESSORIES INCLUDED

- Touchscreen Remote Panel
- APS (Automatic pressure setting)
- Feed Pump Stainless Steel
- High Pressure Pump Stainless Steel
- Pre-filters
- Post-filter
- AFS (Automatic Flushing System)
- Carbon Filter for Flushing
- Automatic discard of the unsafe water
- Digital System Control Unit
- Emergency Analogic Interface Panel
- Non Return Valve
- Installation Kit (Pipes, Fittings, Clamps)

OPTIONAL

- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and wintering products, High Pressure Pump Oil)

STANDARD REMOTE PANEL FUNCTIONS

- Start and Stop
- Automatic stop by means of programming liters to produce or working hours
- Inlet pressure reading
- Reading Pressure on Osmotic Membrane
- Filter clogging percentage reading with Cartridge Replacement alarm
- Freshwater product flowmeter lt/h
- Salininometer on freshwater produced
- Flowmeter
- Amperometer
- Instant automatic Flushing of osmotic membrane
- Periodic automatic Flushing of osmotic membrane





EVO 2215

EVO 3215







EVO 240L

EVO 440S DUO EVO 440L DUO





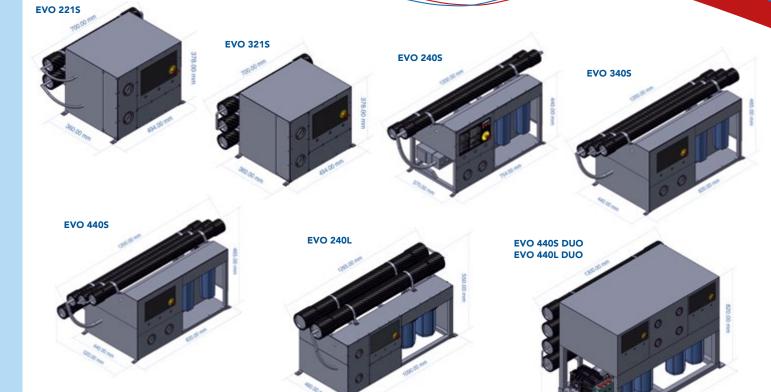


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REMOTE PANEL

DUO TOUCHSCREEN REMOTE PANEL

SYSTEMS DIMENSIONS



E V O		Production		Maltana	Deserved	Woight (kg)	
	Lt/h	Lt/day	Gal/day	Voltage	Power consumption	Weight (kg)	
Evo 221S	85	2040		230 VAC	1.6 kW	58	
				110 VAC	-		
Evo 321S	140	3360	887,7	230 VAC	2 kW	63	
210 0215				110 VAC	2		
				230 VAC			
Evo 240S	200	4800	1267,2	110 VAC	2.4 kW	78	
				400 VAC			
				230 VAC			
Evo 340S	270	6480	1710,72	110 VAC	3,2 kW	85	
				400 VAC			
				230 VAC			
Evo 440S	350	8400	2217,6	110 VAC	3.2 kW	93	
				400 VAC			
				230 VAC			
Evo 240L	480	11520	3041,3	110 VAC	4.3 kW	150	
				400 VAC			
				230 VAC			
Evo 440S DUO	200 + 200	4800 + 4800	1267,2 + 1267,2	110 VAC	2 x 2.4 kW	150	
				400 VAC			
				230 VAC		280	
Evo 440L DUO	480 + 480	11520 + 11520	3041,3 + 3041,3	110 VAC	110 VAC 1.6 kW 230 VAC 2 kW 230 VAC 2 kW 110 VAC 2 kW 230 VAC 2.4 kW 400 VAC 2.4 kW 400 VAC 3,2 kW 400 VAC 3,2 kW 400 VAC 3,2 kW 400 VAC 3.2 kW 400 VAC 4.3 kW 400 VAC 4.3 kW 400 VAC 2 x 2.4 kW 400 VAC 2 x 2.4 kW		
				400 VAC			



Latest generation automatic watermaker for meet the needs of large yachts. One touch operation with **Color TouchScreen**. Equipped with an automatic pressure adjustment system and flushing Automatic systems, the watermakers of the MEGA line are able to fully manage and execute the functions without an operator. Supplied in compact or in modular version on stainless steel AISI 316 structure for easy installation and maximum reliability over time.



MEGA 340L / 440L

ACCESSORIES INCLUDED

- APS (Automatic pressure setting) + Touchscreen Remote Panel
- Stainless Steel Feed Pump
- Stainless Steel High Pressure Pump
- Pre-filter
- Post-filter
- AFS (Automatic Flushing System)
- Carbon Filter for Flushing
- Automatic discard of the unsafe water
- Digital System Control Unit
- Emergency Analogic Interface Panel
- Non Return Valve
- Installation Kit (Pipes, Fittings, Clamps)

OPTIONAL

- Maintenance Kit (N.1 spare filters set, filter wrench, cleaning and winterizing products, High Pressure Pump Oil)

STANDARD REMOTE PANEL FUNCTIONS

- Start and Stop
- Automatic stop by means of programming liters to produce or working hours
- Inlet pressure reading
- Reading Pressure on Osmotic Membranes
- Filter clogging percentage reading with Cartridge Replacement alarm
- Freshwater product flowmeter lt/h
- Salininometer on freshwater produced
- Flowmeter
- Amperometer
- Intant automatic Flushing of osmotic membrane
- Periodic automatic programmable Flushing of osmotic membrane



MEGA 240B / 340B / 440B



REMOTE PANEL



SYSTEMS DIMENSIONS

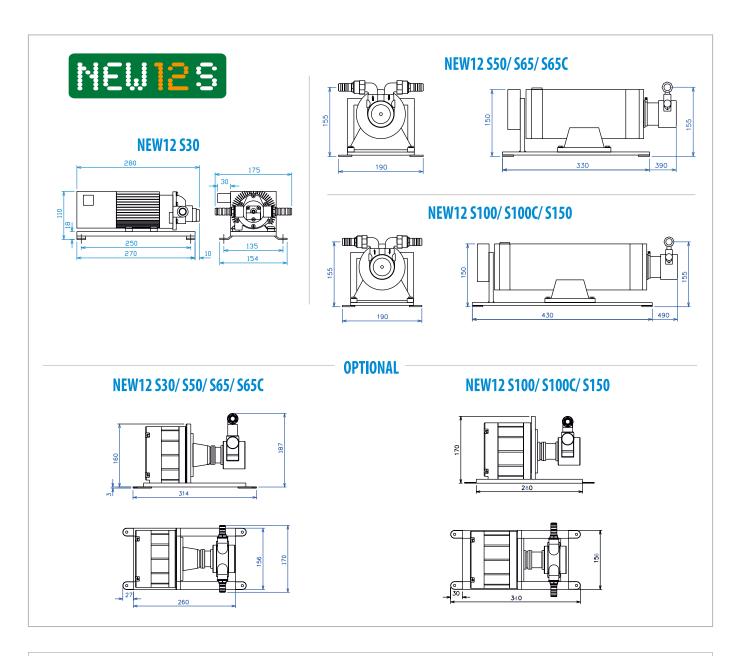


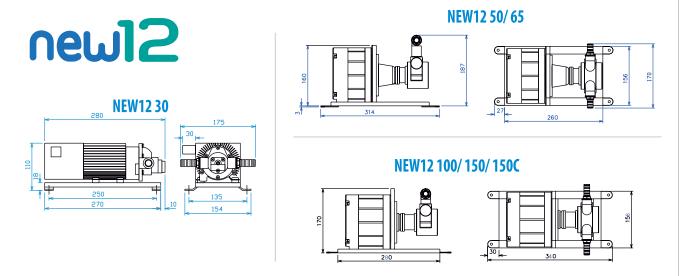




MEGA		Production		Valtaria	Power consumption	Weight (kg)	
	Lt/h	Lt/day	Gal/day	Voltage	Power consumption		
Mega 340L	750	18000	4755,6	400 VAC	6.2 kW	210	
Mega 440L	1000	24000	6340,8	400 VAC	11.7 kW	230	
Mega 240B	1500	36000	9511,2	400 VAC	21 kW	290	
Mega 340B	2250	54000	14266,8	400 VAC	23.2 kW	320	
Mega 440B	3000	72000	19022,4	400 VAC	31.5 kW	350	





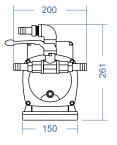




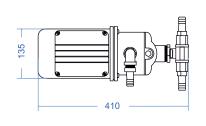


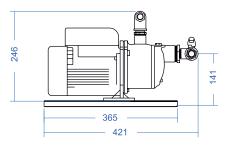
Classic



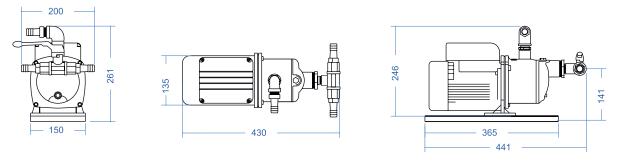


FEED PUMP 3405 / 4405 / 240L

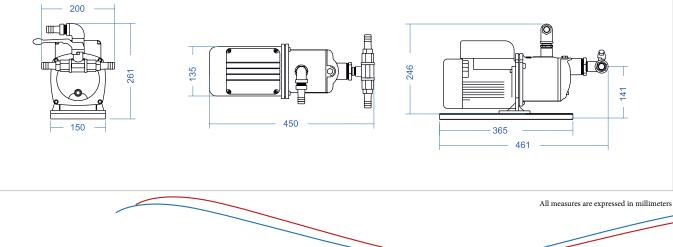




FEED PUMP 2215 / 3215 / 2405

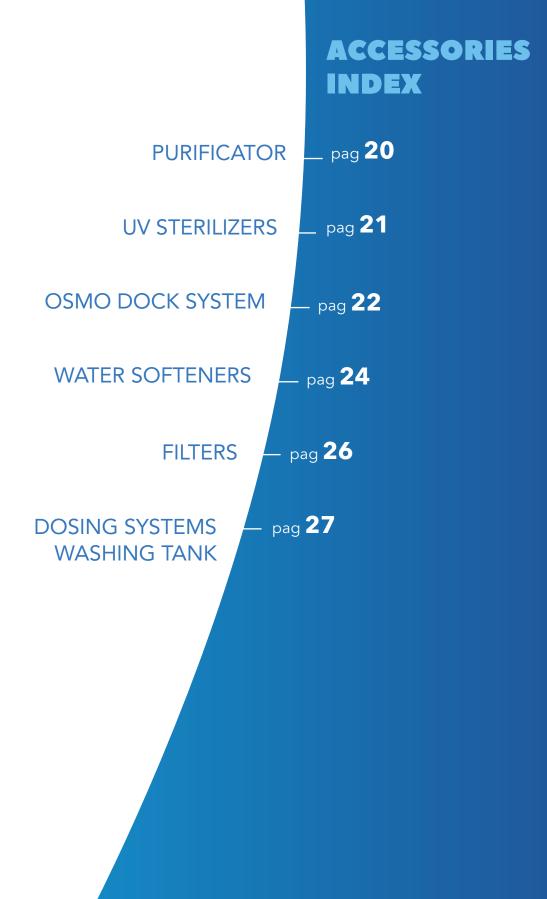


FEED PUMP 340L / 440L









PURIFICATOR

The **Purificator 300 LED** is a very simple water treatment system that guarantees disinfected water, free from sediment, chlorine and bad smell. Thanks to Purifier 300 LED you will always have high quality water and you will finally **be free from plastic bottles** that take up space on board and pollute our seas. The disinfectant lamp with LED technology turns on automatically when the tap is opened, does not require preheating, has a longer life and consumes only 8.5 Watts during tapping.



Action of the **Purificator 300 LED**

- Sediment filter: to eliminate impurities up to 5 microns
- Activated Carbon Filter: to eliminate chlorine, bad smell and bad taste
- Remineralizer filter: for alkaline pH
- UVC LED disinfectant lamp: to eliminate all bacteria and viruses

Purifier 300 LED, thanks to the kit supplied, could to be connected to the kitchen tap very easily.

MODEL	Flow (lt/min)	In/Out	Power	Voltage	Dimensions (cm)
Purificator 300 LED	2.5	6 mm	8.5 Watt	12/24/230	30 x 12.5 x 37





Ultraviolet sterilizers allow the elimination of 99.9% of bacteria. Constructed with stainless steel U.V. camera, are equipped with a control unit for controlling lights and alarms with digital display. Ultraviolet sterilizers can be installed on the production of a watermaker, on water distribution lines in industrial environments, marine and domestic area. Flow from 300 to 5000 l/h.



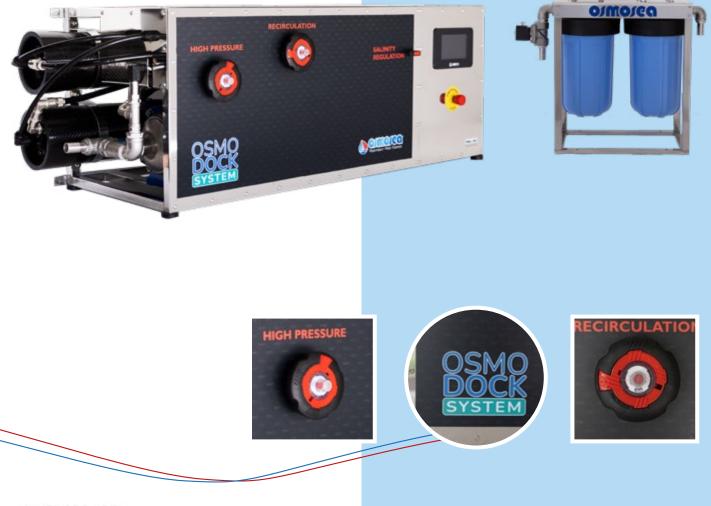
MODEL		Production		Valtana	Damas ann an tion)A/sisht/ks)
MODEL	Lt/h	Lt/day	Gal/day	Voltage	Power consumption	Weight (kg)
UV107	300	7200	1902,2	12/24VDC 230VAC	12 W	2
UV403	600	14400	3804,5	230VAC	16 W	3
UV405	1200	28800	7609,0	230VAC	30 W	5
UV412	2700	64800	17120,2	230VAC	40 W	7
UV440	3600	86400	22826,9	230VAC	40 W	7
UV450	5000	120000	31704,0	230VAC	2X40 W	13

OSMO DOCK System

OsmoDock System is a water treatment system which use reverse osmosis technology to purify water from the dock into pure water. Differently from water softeners, the reverse osmosis **eliminates 98% of the salts present**, producing water with a very low salt concentration. The purified water from the OsmoDock System allows you to wash the yacht without limestone spots, and protects from scaling the other system on board that normally use fresh water.

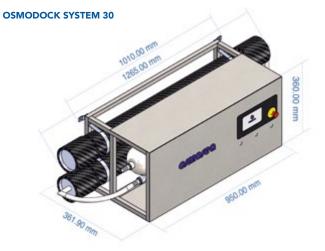


OSMODOCK SYSTEM 30 / 75











-	OSMO DOCK	Production			Valtaria	Power concumption	Weight (kg)	
	SYSTEM	Lt/h	Lt/day	Gal/day	Voltage	Power consumption	weight (kg)	
	OsmoDock System 30	300	7200	1902,2	230/400 VAC	550 W	50	
See.	OsmoDock System 75	700	16800	4438,6	230/400 VAC	750 W	70	

WATER SOFTENER

Elefantino is a portable device capable of filtering, dechlorinating and softering the water.

It is equipped with a filter for the removal of suspended solids, chlorine, foul odors, insecticides and also is provided with an ion exchange softener for the elimination of calcium carbonates.

The volume of water treated with Elefantino depends on the hardness (°F) of the water entering the system. The diagram below shows the amount of water that Elefantino can soften in relation to hardness. Based on this data you can easily decide when to regenerate. (E.g.: with a hardness of 30°F the regeneration is carried out every 1000 litres of treated water).



	MODEL	Production		Voltage	Bourse consumention	Weight (kg)		
MODEL	Lt/h	Capacity at 30°F	voitage	Power consumption	weight (kg)		0	
	Elefantino	500	1000 lt	-	-	15	0	•



WATER SOFTENER

Elefantino X2 is a water softening system created for be installed on medium and large yachts. Despite its small size, the duplex system allow Elefantino X2 to supply softened water continuously. In fact, when one tank is in use the other one is in regeneration or stand-by, ready to be used, with calcium free water. In this way, you will always have limescalefree water, which is the most responsible for limestone spots and scaling on steel parts, windshields, portholes, taps, sinks, showers, boilers, washing machines, dishwashers etc...

Flow rate 500 l/h. Available in the X2B version with 1000 l/h capacity.



Der 1	MODEL	P	roduction	Valtana	Darran anna mhian	Weight (kg)		
22	MODEL	Lt/h	Capacity at 30°F	Voltage	Power consumption			
	Elefantino X2	500	Unlimitless	230VAC	9.5 W	30		
	Elefantino X2B	1000	Unlimitless	230VAC	9.5 W	31		

FILTER

Multi cartridge filters in stainless steel, consisting of two shells, with funds molded crowns, made of sheet steel stainless and joined by two welded flanges, with one interposed toroidal elastomer seal. The flanges are tightened by a special closure Clamp type. Inside the shell a septum is welded below separation, in stainless steel, for the support and packaging of the filter cartridges. Equipped with n. 3 legs of support, inlet and outlet sleeves, vent valve, inlet and outlet pressure gauges, drain valve.





PVC multi-cartridge filter

Multi cartridge filter entirely in PVC - U for a high corrosion resistance, with flanged top opening, EPDM sealing gasket, air valve, pressure gauges entry and exit and valve drainage. Compliant with the European Directive 2014/68/EU for pressure vessels (PED).

Multi-cartridge filter Stainless Steel

Pre Multilayer Sand Filters with variable grain size, reinforced VTR cylinder and integrated backwash system. Equipped with a stainless steel structure for base or wall mounting with the option of integrating the sea water pump.







Sand Pre-Filter



DOSING SYSTEM

Automatic proportional dosing system, for dosing in line dosing of sterilizing substances.





WASHING TANK

Wash tank for desalination system, equipped with a 3-way valve for selecting the recycling phase with chemical or drainage. Everything included to winterize without having to disconnect the pipes from it. Comes equipped with a stainless steel structure for wall or base mounting.





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