

## Watermaker Features mod. New12 200 DUO



### AUTOMATIC FUNCTIONS

- Freshwater quality control;
- Automatic Stop by timer or flowmeter;
- AFS (Automatic Flushing System);
- Periodic Flushing;
- Prefilter quality monitor.

### METERS/MONITORING

- The digital display shows:
  - Inlet pressure (bar);
  - Pre-Filters clogging indication;
  - Salinity of freshwater produced (MicroSiemens);
  - Partial and total flowmeter (Lt/h);
  - Partial and total timer;
  - Battery Charge (V);
- The Digital Comand Unit provide state-of-the-art technology and reliability with Automatic Fresh Water Flush Timing and sequential starting of electric motors with manual override;
- Inlet Pressure Control System;
- High Pressure Control System;
- Low Pressure Gauge;

### PUMPS

- Seawater self-priming pump high efficiency, **Stainless steel**, horizontal;
- Osmosea® Pressure Intensifier with assisted restart system, which allows an electricity saving of up to 80%.

### STANDARD EQUIPMENT

- Watermaker;
- N.2 Feed pumps with Brushless motor (12/24V only)
- N.2 Digital Comand Unit IP 55;
- N.1 Touchscreen Remote Panel;
- N.2 Pre-filters with 5 micron cartridges;
- N.2 Post Carbon filters with cartridges;
- N.2 Flushing Carbon filters with cartridges;
- N.2 Tee with Non Return valve.

### OPTIONAL

- Installation Kit (Hoses, fittings, thru-hulls and clamps);
- Maintenance Kit (N.1 filter change + chemical product for wintering);

### SAFETY FEATURES

- Low pressure alarm;
- High pressure alarm;
- Water deflection valve produced;
- Prefilter Clogged Alarm;

### PARTS AND MATERIAL

- Stainless Steel framing;
- N. 2 New High rejection / High yield membrane element that produces higher quality product water;
- N. 2 Carbon High Pressure Membrane Vessel 4021 eliminates corrosion, is stronger, and more durable;
- 316 Stainless Steel Pressure Switch for accurate measurement of system functions;

### SERVICE AND MAINTENANCE

- Shipped from the factory ready to install and function. There are no optional items required, and a complete installation kit is also included along with a comprehensive and detailed Owner's Operation & Maintenance Manual.
- Worldwide Service and Sales Network for immediate attention regardless of location;
- Two-Years Warranty on the watermaker.
- Technical service dedicated to excellent system performance.

## Specifiche Tecniche New12 200 DUO

Performance	Rated Performance / Product water produced: +-15% at 820 PSI / 57 BAR, 77°F / 25°C & 35,000 PPM TDS typical seawater		
Production	Per Hour	Per Day	
	200 lit (100+100) / 52.88 gal	4800 lit (2400+2440) / 1269.12 gal	
Salt Rejection (Chloride Ion)	Minimum 99.2%, Average 99.4%		
Product Water Temperature	Ambient to feed water temperature		
Pressure Adjustment	Not necessary		
Salinity Monitoring	Automatic electronic monitoring. Temperature compensated with the solid state continuous "Display" readout. The salinity monitoring components of the system give a continuous MicroSiemens readout in micromhos per cubic centimeter, are temperature compensated and of a fail safe design.		
Salinity Range	Designed for seawater use up to 50,000 PPM TDS (NaCl) (typical seawater salinity is 35,000 ppm)		
Temperature Range	Max. 102°F / 39°C, Min. 36°F / .2°C		
Reverse Osmosis Membrane	Selected High Rejection/High Yield aromatic tri-polyamid, thin film composite, spiral wound, single pass, high rejection reverse osmosis membrane element.		
Chlorine Tolerance	0.1 PPM		
pH Range	3-11 (typical seawater pH is 8)		
System Pressure	With Seawater nominal 745 - 797 psi / 52-55 bar		
Hydraulic Connections	Seawater Inlet:	2 x 20 mm	
	Brine Out:	2 x 20 mm	
	Freshwater Out:	2 x 8 mm	
Weight	100 Kg		
Electrical Requirements	(V = Voltage; W = Watt; A = Ampere)		
Feed Pump Electric Motor	V	W	A
	12	2 x 420	2 x 35
	24	2 x 420	2 x 17.5
	230	2 x 750	2 x 3
Interruttore consigliato	Voltaggio	Dimensione Interruttore Magneto Termico	
	12 VDC	80 Amp	
	24 VDC	52 Amp	
	230VAC	16 Amp	