

NEW12 S 200 DUO Technical Features



AUTOMATIC FUNCTIONS

- Automatic Flushing System.

METERS/MONITORING

- Remote Control Functions:
 - Start key (Start system)
 - Stop key (Stop system/Reset Alarm).
 - Flushing key (Start flushing).
- The Comand Unit provide state-of-the-art technology.
- Inlet Pressure Gauge.
- Inlet Pressure Control System.
- High Pressure Control System.

PUMPS

- Feed Pump pump high efficiency, stainless steel, with electric motor (12, 24 or 230 Volt).
- Osmosea® Pressure Intensifier with assisted restart system, which allows an electricity saving of up to 80%.

OPTIONAL

- Brushless Motor on the Feed Pump.
- Installation Kit; (Hoses, fitting and clamps);
- Maintenance Kit; (n. 1 Filter cartridges set, Chemical products for wintering)

STANDARD EQUIPMENT

- N.2 Comand Unit;
- N.2 Remote Panel;
- N.2 Feed Pump;
- N.2 Flushing System with Carbon Filter;
- N.2 Pre filter with cartridge;
- N.2 Post filter with cartridge;
- N.2 Seaweeds filter;

SAFETY FEATURES

- Inlet Low pressure alarm;
- Inlet High pressure alarm;

PARTS AND MATERIAL

- Stainless Steel framing;
- N. 2+2 New High rejection / High yield membrane element that produces higher quality product water;
- N. 2+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;

New12 S 200 DUO Specifications

| | | | |
|-------------------------------|--|------------------------------------|--------|
| Performance | Rated Performance / Product water produced: +-15% at 797 PSI / 55 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 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 | Feed Water: Maximum 217 psi / 15 bar | | |
| Water Connections | Feed Inlet: | 2 x 20 mm | |
| | Brine Discharge: | 2 x 20 mm | |
| | Product: | 2 x 8 mm | |
| Weight | 80 Kg | | |
| Electrical Requirements | (V=Voltage. W=Watt. A=Ampere) | | |
| Feed Pump Electric Motor | V | W | A |
| | 12 dc | 2 x 420 | 2 x 30 |
| | 24 dc | 2 x 420 | 2 x 15 |
| | 230 ac | 2 x 750 | 2 x 5 |
| | 12+230 | 1 x 420 (12V) + 1 x 750 (230V) | 30 + 5 |
| | 24+230 | 1 x 420 (24V) + 1 x 750 (230V) | 15 + 5 |
| Recommended Circuit Breaker | Operating Voltage, Hz e Phase | Rec. Circuit Breaker Size | |
| | 24 Vdc | 32 Amp | |
| | 230 Vac | 10 Amp | |