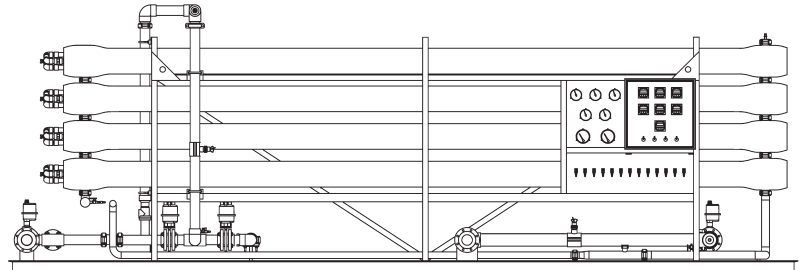


## SPECIFICATION DATA SHEET

**200,000 US gallons per day  
SWRO Membrane Module  
Low Seawater TDS**



### Description

The 200 Series Seawater Reverse Osmosis Membrane Modules are available for three seawater salinity ranges:

- Low Salinity: 30,000 – 35,000 mg/l TDS
- Standard Salinity: 35,001 – 40,000 mg/l TDS
- High Salinity: 40,001 – 45,000 mg/l TDS

The product water from this system complies with World Health Organization (WHO) standards for potable water (<500 mg/l TDS). The equipment is offered as a base unit with customer-applied modifications (see [www.desalt.net](http://www.desalt.net)). Various options are available. Equipment is supplied tested and complete. Please see proposal package for detailed drawings and information.

### Module Options:

- Air Bleeds
- Motorized Valves
- Cabinet Lamp
- Enclosure Heater
- Premium Instrument Package
- Duplex 2205 / Zeron® 100 Piping
- 316SS Pipe Coupling Hardware
- Customization available upon request

**TESTED  
PREPACKAGED  
WARRANTIED**

| ARRANGEMENT                     |               |
|---------------------------------|---------------|
| Nominal Capacity (Usgpd / m3/d) | 200,000 / 757 |
| Frame Size                      | 2             |
| Maximum Length (in/cm)          | 286 / 726     |
| Maximum Width (in/cm)           | 40 / 102      |
| Maximum Height (in/cm)          | 103 / 262     |
| Dry Weight (lbs/kg)             | 3,820 / 1,733 |
| Flooded Weight (lbs/kg)         | 7,230 / 3,279 |
| Feed Connection (in/mm)         | 4" / DN 100   |
| Brine Connection (in/mm)        | 4" / DN 100   |
| Product Connection (in/mm)      | 3" / DN 80    |
| Vessels                         | 7             |
| Membranes                       | 42            |
| Type                            | Spiral        |
| Energy Recovery Type            | Turbine       |
| Membrane Vessel Size            | 8"            |

| DESIGN PARAMETERS                 |   |
|-----------------------------------|---|
| Piping Materials                  | 316SS, 2205, Zeron® 100                   |
| Hardware Materials                | 316SS                                     |
| Skid Material                     | Structural Steel, Closed Full Seam Welded |
| Finishes                          | Blasted White, 12 mil Coal Tar Epoxy      |
| Seawater TDS Range (mg/l)         | 30,000 – 35,000                           |
| Inlet SDI                         | < 5.0                                     |
| Design Temperature (C)            | 25  |
| Conversion (%)                    | 45  |
| Feed Flow (Usgpm / m3/hr)         | 309 / 70                                  |
| Brine Flow (Usgpm / m3/hr)        | 170 / 39                                  |
| Product Flow (Usgpm / m3/hr)      | 139 / 32                                  |
| Design Fouling Factor (%)         | 70  |
| Operating Pressure (nominal 3 yr) | 900 psig / 62 bar                         |