

The Coral Sea Series – State of the art versatile design



Coral Sea Specifications

Performance Rated Performance / Product Water Produced: +-15% at 820 PSI / 57 BAR, 77°F / 25°C & 35,000 PPM TDS typical sea water

Production	Model #	Configuration	No. of Vessels	Vessel Size	Per Hour	Per Day
	2800	V H M	3	3"	117 gal/442 lit	2,800 gal / 10,599 lit
	3600	V H M	4	3"	150 gal/568 lit	3,600 gal / 13,627 lit
	4200	V H M	3	4"	175 gal/662 lit	4,200 gal / 15,899 lit
	5200	V H M	4	4"	217 gal/820 lit	5,200 gal / 19,684 lit
	6200	V H M	5	4"	258 gal/978 lit	6,200 gal / 23,469 lit
	6800	V H M	6	4"	283 gal/1073 lit	6,800 gal / 25,741 lit

Salt Rejection (Chloride Ion) Minimum 99.2%, Average 99.4%

Product Water Temperature Ambient to feed water temperature

Pressure Adjustment Automatically controlled

Salinity Monitoring Automatic electronic monitoring. Temperature compensated with the solid state continuous "Bar LED" readout. The salinity monitoring components of the system give a continuous TDS readout in micromhos per cubic centimeter, are temperature compensated and of a failsafe 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
System Feed Water	Flow: 8 - 16 gpm / 30 - 61 lpm (depending on system)
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 35 psi / 2.41 bar / 2.46 Kg/cm ²
System Operation	Seawater nominal 820 psi / 59 bar / 59.7 Kg/cm ² . Brackish Varies w/PPM

External Installation Pipe sizes to be supplied by the installer for connection of the SRC supplied components.
Water Connections The below pipe threads are all US Standard.

3" MODELS

- Feed Inlet:** 3/4" ANSI Threaded Flange
- Cleaning Inlet:** 3/4" ANSI Threaded Flange
- Brine Discharge:** 3/4" ANSI Threaded Flange
- Cleaning Return:** 3/4" ANSI Threaded Flange
- Product:** 1/2" ANSI Threaded Flange

4" MODELS

- Feed Inlet:** 1" ANSI Threaded Flange
- Cleaning Inlet:** 1" ANSI Threaded Flange
- Brine Discharge:** 1" ANSI Threaded Flange
- Cleaning Return:** 1" ANSI Threaded Flange
- Product:** 3/4" ANSI Threaded Flange

Electrical Requirements:

Models 2800 - 3600

Models 4200 - 6800

Specs	HP	FLA	LRA	Specs	HP	FLA	LRA
220/50Hz/1PH	7 1/2 & 2	48	274	220/50Hz/1PH	NA	NA	NA
230/60Hz/1PH	7 1/2 & 2	39	219	230/60Hz/1PH	NA	NA	NA
220/50Hz/3PH	7 1/2 & 2	36	207	220/50Hz/3PH	10 & 2	39	301
380/50Hz/3PH	7 1/2 & 2	17	120	380/50Hz/3PH	10 & 2	21	174
208/60Hz/3PH	7 1/2 & 2	27	183	208/60Hz/3PH	10 & 2	35	265
230/60Hz/3PH	7 1/2 & 2	24	165	230/60Hz/3PH	10 & 2	31	240
460/60Hz/3PH	7 1/2 & 2	12	82	460/60Hz/3PH	10 & 2	16	120