

Oceana™ Seawater RO



Graver's Oceana™ Reverse Osmosis Systems are pre-engineered to economically produce potable water from seawater by removing dissolved minerals, particles, and organic impurities at the lowest possible energy consumption. Each reverse osmosis system is specifically customized to the needs of your application and are compact with full integration for the ease of installation, operation, and maintenance.

Standard Design Features

- Duplex stainless steel centrifugal pump
- Duplex ss Energy Recovery Turbine
- 316 stainless steel plunger pump
- Duplex ss high pressure piping and fittings
- 316 ss epoxy coated cartridge prefilter
- Extra high rejection, TFC 8"x40" sw membranes
- Liquid filled, 316 ss pressure gauges
- High pressure piping: 316L SS sch.# 40
- Low pressure piping: PVC sch.#80
- Fiberglass 1000 psi pressure vessels
- Automatic permeate flush system
- Programmable Logic Controller (PLC)
- Nema-4X electric enclosure
- Permeate TDS monitor/controller
- Digital display flow meters (rate and total)
- High/Low pressure safety switches
- 460V/60HZ/3PH, TEFC motor
- Automatic inlet shut-off valve
- Emergency Stop
- Sample Valves
- Cleaning Ports

Optional Design Features

- Upgrade prefilter to fiberglass
- Chemical dosing systems
- 50 HZ system
- Additional TDS monitor/controller
- pH monitors/controller
- ORP monitors/controller

Typical Applications:

- **Potable Water**
- **Irrigation**
- **General Industry Needs**



Oceana™ Seawater RO 5 - 360 gpm



Specifications

Model	Productivity			Recovery	No. of 8'x40' Membranes	Port Size (in)			Motor HP	
	GPM	GPD	M ³ /D			Inlet	Perm.	Reject	60 Hz	50 Hz
Oceana-5	5	7,200	27	23%	(2)	1.5"	0.75"	0.75"	15	15
Oceana-10	10	14,400	55	35%	(4)	1.5"	1.0"	0.75"	25	25
Oceana-15	15	21,600	82	40%	(6)	1.5"	1.0"	1.0"	30	30
Oceana-30	30	43,200	164	40%	(12)	2.0"	1.5"	1.5"	50	50
Oceana-45	45	64,800	245	40%	(18)	3.0"	2.0"	1.5"	75	75
Oceana-60	60	86,400	327	40%	(24)	3.0"	2.0"	2.0"	100	100
Oceana-75	75	108,000	409	40%	(30)	4.0"	3.0"	2.0"	125	125
Oceana-90	90	129,600	491	40%	(36)	4.0"	3.0"	2.0"	125	125
Oceana-105	105	151,200	572	40%	(42)	4.0"	3.0"	3.0"	150	150
Oceana-120	120	172,800	654	40%	(48)	4.0"	3.0"	3.0"	175	213
Oceana-135	135	194,400	736	40%	(54)	4.0"	3.0"	3.0"	210	213
Oceana-150	150	216,000	818	40%	(60)	4.0"	3.0"	3.0"	210	213
Oceana-165	165	237,600	899	40%	(66)	4.0"	4.0"	3.0"	250	250
Oceana-180	180	259,200	981	40%	(72)	4.0"	4.0"	3.0"	250	250
Oceana-195	195	280,800	1,063	40%	(78)	4.0"	4.0"	3.0"	300	300
Oceana-210	210	302,400	1,145	40%	(84)	4.0"	4.0"	3.0"	300	350
Oceana-225	225	324,000	1,226	40%	(90)	6.0"	4.0"	3.0"	300	350
Oceana-240	240	345,600	1,308	40%	(96)	6.0"	4.0"	3.0"	350	400
Oceana-255	255	367,200	1,390	40%	(102)	6.0"	4.0"	3.0"	350	400
Oceana-270	270	388,800	1,472	40%	(108)	6.0"	4.0"	3.0"	400	400
Oceana-285	285	410,400	1,553	40%	(114)	6.0"	6.0"	3.0"	400	400
Oceana-300	300	432,000	1,635	40%	(120)	6.0"	6.0"	3.0"	400	450
Oceana-315	315	453,600	1,717	40%	(126)	8.0"	8.0"	4.0"	400	450
Oceana-330	330	475,200	1,799	40%	(132)	8.0"	8.0"	4.0"	400	500
Oceana-345	345	496,800	1,880	40%	(138)	8.0"	8.0"	4.0"	500	600
Oceana-360	360	518,400	1,962	40%	(144)	8.0"	8.0"	4.0"	500	600

Productivity is based on feed water of 38,000 ppm TDS at temperature of 77°F (25°C).

Contact Us

Graver Water Systems, LLC
30 Technology Drive Suite 2F
Warren, NJ 07059

T: 908 516 1400
F: 908 516 1401
E: sales@graver.com