

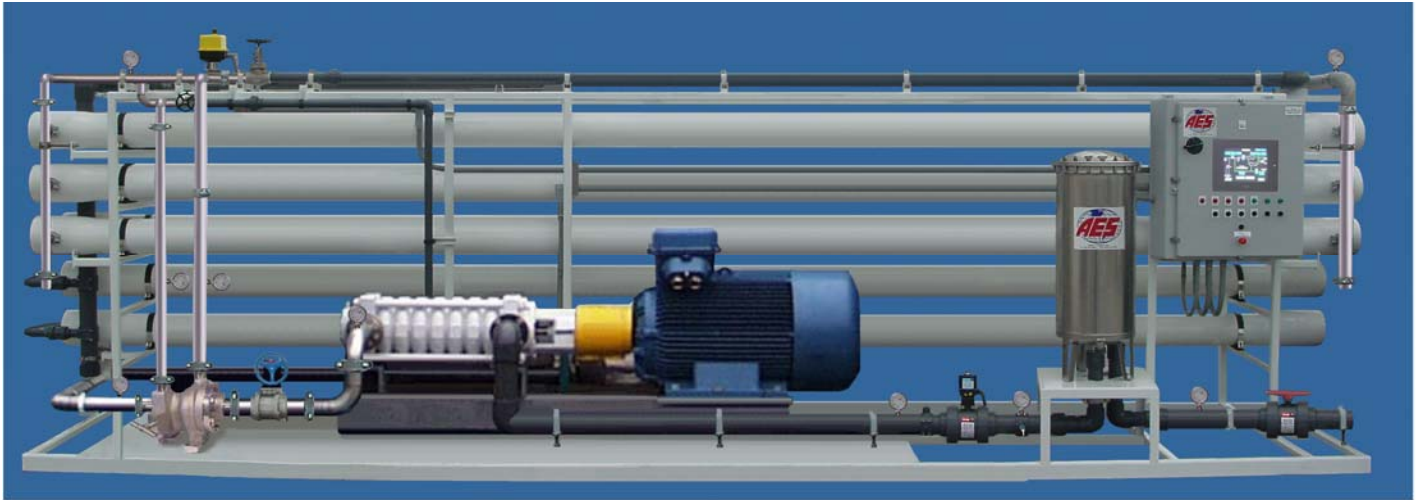


AMERICAN ENGINEERING SERVICES, INC.
 Water Treatment Solutions for the Global Community
 Tel: (813) 621-3932 – Fax: (813) 621-4085
 Tampa, Florida USA
 www.aesh2o.com

Max

5 to 360 Gallons Per Minute

High Quality Sea Water Reverse Osmosis Systems



Model	Estimated Machine Dimensions and Weights								Estimated Shipping Dimensions and Weights							
	Length		Width		Height		Weight		Length		Width		Height		Weight	
	in	cm	in	cm	in	cm	lb	kg	in	cm	in	cm	in	cm	lb	Kg
Max-5	150	381	52	132	65	165	2,500	1,125	170	432	72	183	95	241	2,750	1,238
Max-10	150	381	52	132	65	165	2,650	1,193	170	432	72	183	95	241	2,900	1,305
Max-15	175	445	52	132	65	165	3,800	1,710	195	495	72	183	95	241	4,050	1,823
Max-30	310	787	65	165	65	165	4,500	2,025	330	838	85	216	95	241	4,750	2,138
Max-45	310	787	65	165	65	165	5,400	2,430	330	838	85	216	95	241	5,650	2,543
Max-60	310	787	65	165	65	165	6,300	2,835	330	838	85	216	95	241	6,550	2,948
Max-75	310	787	65	165	95	241	7,200	3,240	330	838	85	216	125	318	7,450	3,353
Max-90	310	787	85	216	95	241	8,100	3,645	330	838	105	267	125	318	8,350	3,758
Max-105	310	787	85	216	95	241	9,200	4,140	330	838	105	267	125	318	9,450	4,253
Max-120	310	787	85	216	95	241	10,200	4,590	330	838	105	267	125	318	10,450	4,703
Max-135	310	787	85	216	95	241	11,500	5,175	330	838	105	267	125	318	11,750	5,288
Max-150	310	787	85	216	95	241	13,100	5,895	330	838	105	267	125	318	13,350	6,008
Max-165	310	787	110	279	95	241	14,900	6,705	330	838	130	330	125	318	15,150	6,818
Max-180	310	787	110	279	95	241	16,700	7,515	330	838	130	330	125	318	16,950	7,628
Max-195	310	787	110	279	95	241	18,600	8,370	330	838	130	330	125	318	18,850	8,483
Max-210	310	787	110	279	95	241	20,600	9,270	330	838	130	330	125	318	20,850	9,383
Max-225	310	787	110	279	95	241	22,600	10,170	330	838	130	330	125	318	22,850	10,283
Max-240	310	787	135	343	95	241	25,100	11,295	330	838	155	394	125	318	25,350	11,408
Max-255	310	787	135	343	95	241	27,000	12,150	330	838	155	394	125	318	27,250	12,263
Max-270	310	787	135	343	95	241	29,000	13,050	330	838	155	394	125	318	29,250	13,163
Max-285	310	787	135	343	95	241	31,000	13,950	330	838	155	394	125	318	31,250	14,063
Max-300	310	787	135	343	95	241	33,000	14,850	330	838	155	394	125	318	33,250	14,963
Max-315	310	787	160	406	95	241	35,000	15,750	330	838	180	457	125	318	35,250	15,863
Max-330	310	787	160	406	95	241	37,000	16,650	330	838	180	457	125	318	37,250	16,763
Max-345	310	787	160	406	95	241	39,000	17,550	330	838	180	457	125	318	39,250	17,663
Max-360	310	787	160	406	95	241	43,000	19,350	330	838	180	457	125	318	43,250	19,463

Optional features may change the above dimensions and weights



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High Quality Sea Water Reverse Osmosis Systems

STANDARD FEATURES

- Duplex stainless steel centrifugal pump (SeaMax-30 to 300)
- Duplex SS Energy Recovery Turbine (SeaMax-30 to 300)
- 316 stainless steel plunger pump (SeaMax-5 to 15)
- 904L stainless steel high pressure piping and fittings
- 316 stainless steel epoxy coated cartridge prefilter, 5-micron
- 304 stainless steel, 2-part epoxy coat painted frame
- Liquid filled, 316 stainless steel pressure gauges
- High pressure valves: 316 stainless steel
- Low pressure piping and valves: PVC Schedule 80
- Fiberglass, side-ported, 1000 psi pressure vessels
- Extra high rejection, TFC 8"x40" sea water membranes
- Automatic permeate flush system
- PLC Controller
- 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 FEATURES

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

Model	Productivity			Recovery	No. of 8"x40" membrane	Port Sizes (in)			Motor HP	
	GPM	GPD	M ³ /D			Inlet	Perm.	Reject	60HZ	50HZ
Max-5	5	7,200	27	23%	(2),	1.5"	0.75"	0.75"	15	15
Max-10	10	14,400	55	35%	(4),	1.5"	1.0"	0.75"	25	25
Max-15	15	21,600	82	40%	(6),	1.5"	1.0"	1.0"	30	30
Max-30	30	43,200	164	40%	(12),	2.0"	1.5"	1.5"	50	50
Max-45	45	64,800	245	40%	(18),	3.0"	2.0"	1.5"	75	75
Max-60	60	86,400	327	40%	(24),	3.0"	2.0"	2.0"	100	100
Max-75	75	108,000	409	40%	(30),	4.0"	3.0"	2.0"	125	125
Max-90	90	129,600	491	40%	(36),	4.0"	3.0"	2.0"	125	125
Max-105	105	151,200	572	40%	(42),	4.0"	3.0"	3.0"	150	150
Max-120	120	172,800	654	40%	(48),	4.0"	3.0"	3.0"	175	213
Max-135	135	194,400	736	40%	(54),	4.0"	3.0"	3.0"	210	213
Max-150	150	216,000	818	40%	(60),	4.0"	3.0"	3.0"	210	213
Max-165	165	237,600	899	40%	(66),	4.0"	4.0"	3.0"	250	250
Max-180	180	259,200	981	40%	(72),	4.0"	4.0"	3.0"	250	250
Max-195	195	280,800	1,063	40%	(78),	4.0"	4.0"	3.0"	300	300
Max-210	210	302,400	1,145	40%	(84),	4.0"	4.0"	3.0"	300	350
Max-225	225	324,000	1,226	40%	(90),	6.0"	4.0"	3.0"	300	350
Max-240	240	345,600	1,308	40%	(96),	6.0"	4.0"	3.0"	350	400
Max-255	255	367,200	1,390	40%	(102),	6.0"	4.0"	3.0"	350	400
Max-270	270	388,800	1,472	40%	(108),	6.0"	4.0"	3.0"	400	400
Max-285	285	410,400	1,553	40%	(114),	6.0"	6.0"	3.0"	400	400
Max-300	300	432,000	1,635	40%	(120),	6.0"	6.0"	3.0"	400	450
Max-315	315	453,600	1,717	40%	(126),	8.0"	8.0"	4.0"	400	450
Max-330	330	475,200	1,799	40%	(132),	8.0"	8.0"	4.0"	400	500
Max-345	345	496,800	1,880	40%	(138),	8.0"	8.0"	4.0"	500	600
Max-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 77°F (25°C)