

Sea Water Reverse Osmosis Systems

Capacity: 375 to 7,600 GPD

FRESHMATCH 400
Series

The Freshmatch 400 series is available with capacities ranging from 375 GPD (1.4 CMD) to 7,600 GPD (28.8 CMD)

STANDARD FEATURES

- + TFC spiral wound membranes
- + FRP membrane housing
- + Duplex stainless steel pump with motor
- + 5 micron prefilter cartridge
- + Powder coated steel frame
- + Power supply: 460V/3 Ph/60Hz for 7.5HP and higher
- + Microprocessor based controls
- + Nema 12 enclosure
- + IEC motor starter with over load relays
- + Permeate conductivity monitor
- + Low & high pressure switches
- + (3) Liquid filled pressure gauges, 2-1/2" dial size, panel mount for membrane feed, reject and pump suction
- + Product and reject flowmeters
- + Stainless steel 316 reject throttling valve
- + Autoflush (displacement with freshwater)
- + Automatic feed water shut-off valve
- + Stainless steel 316 high pressure tubing
- + Polypropylene low pressure tubing



AVAILABLE OPTIONS

- + 380-415V/3 Ph /50Hz power supply, 220V/3 Ph/60Hz control panel
- + PLC controller
- + Product tank level switch
- + pH meter and sensor
- + Automatic product water diversion
- + Prefilter pressure gauge
- + Export crating
- + Media filter pretreatment
- + Chemical dosing system
- + Calcite post filter
- + Post UV sterilizer
- + Membrane cleaning unit
- + Custom designed units
- + Containerized System- 20ft/ 40ft shipping container

Sea Water Reverse Osmosis Systems

Capacity: 375 to 7,600 GPD

FRESHMATCH 400

Series



OPERATION SPECIFICATIONS

- + Feed water temperature 100°F maximum
- + Feed water pressure 40-80 psi
- + pH range 3-11
- + Feed water SDI: less than 5
- + No turbidity, iron and hydrogen sulfide
- + Turbidity must be removed
- + Iron tolerance: 0.05ppm max.
- + No chlorine / other oxidants that may react with membranes
- + No bacteriological & organic content
- + Maximum operating pressure = 1,000 psi
- + Hydrogen sulfide must be removed
- + Permeate TDS < 500ppm

SPECIFICATIONS AND DIMENSIONS

Model#	TDS < 36,000mg/L			TDS < 45,000mg/L			HP	Dimensions (inches) L" x W" x H"	Approx. Wt. Lbs
	*Max. Capacity		Rec.	*Max. Capacity		Rec.			
	GPD	M ³ /D		GPD	M ³ /D				
FM4-125	375	1.4	10.4%**	265	1.0	7.4%**	1.5	51 x 17 x 15	200
FM4-225	700	2.6	19.4%**	495	1.9	13.7%**	1.5	51 x 17 x 15	230
FM4-325	1,000	3.8	20%	730	2.8	20%	3	51 x 17 x 28	260
FM4-425	1,300	4.9	26%	930	3.5	19%	3	51 x 17 x 28	290
FM4-204	2,150	8.1	15%	1,550	5.9	15%	7.5	61 x 34 x 50	500
FM4-304	3,000	11.4	21%	2,200	8.3	20%	7.5	61 x 34 x 50	360
FM4-404	3,800	14.4	26%	2,750	10.4	25%	7.5	61 x 34 x 50	500
FM4-504	4,700	17.8	23%	3,450	13.1	22%	10	61 x 34 x 50	750
FM4-604	5,500	20.8	27%	3,900	14.8	25%	10	61 x 34 x 50	850
FM4-704	6,000	22.7	30%	4,375	16.6	23%	10	61 x 34 x 50	950
FM4-804	7,600	28.8	26%	5,500	20.8	25%	15	61 x 34 x 50	1000

* Specifications are subject to change without notice



EnviroMatch, Inc.
Water and Wastewater Treatment Systems

41601 Cherry Street #B
Murrieta, CA 92562, USA
www.enviromatch.com

Tel: +1-949-340-2715
Fax: +1-949-340-2060
sales@enviromatch.com

Exclusive Agent: