

# Brackish Water Reverse Osmosis Systems

Capacity: 12,000 to 30,000 GPD

## PUREMATCH 400

Series

### EXCITING FEATURES OF THE PUREMATCH 400 UNITS

- + **High Rejection Levels**  
Rejection Levels as high as 99.4%, producing pure permeate water
- + **High Recovery Levels**  
60% of feed water is recovered as pure RO permeate, reducing waste
- + **Highly Customizable**  
With options to add features pretreatment & posttreatment to meet your unique requirement
- + **Compact Design**  
Unique 2 element housing arrangement saves space
- + **Quiet Operation**  
Ideal for installations that need to maintain low noise levels
- + **Unbeatable Quality**  
Pre-test and rigorous quality assurance checks prior to shipping assures hassle-free operation
- + **Competitive Pricing**  
An industry leading product, at affordable pricing



### STANDARD FEATURES

- + TFC Spiral Wound Membrane
- + FRP Membrane Housing
- + Stainless Steel Multi Stage Pump
- + 5 Micron Sediment Pre-Filter
- + Powder Coated Steel Frame
- + Digital Conductivity Monitor
- + Stainless Steel Low / High Pressure Switch
- + Stainless Steel Liquid-filled Pressure Gauge
- + Product & Concentrate Flow Meters
- + Stainless Steel Throttling Valves
- + Stainless Steel Inlet Motorized Valve
- + High Pressure Nylon Tubing
- + Liquid-Tight Wire Shrouding
- + Micro processor based control panel
- + NEMA 12 Enclosure
- + Pretreatment Lockout
- + 208/230V/1 Ph/60Hz Power Supply
- + Programmable set points and time delays
- + Status & Alarm Lights

### AVAILABLE OPTIONS

- + Recycle Flow Meter
- + Stainless Steel Membrane Housing
- + 316 Stainless Steel Kit (Incl. Pump, Valves, Fittings, Pressure Gauge & Switch)
- + Stainless Steel Frame
- + pH & ORP Digital Display
- + Tank Full Level Switch
- + 220V/1 Ph/50Hz Power Supply
- + Stainless Steel High Pressure Switch
- + Automatic Flushing
- + PLC Controller
- + Media Filter Pretreatment
- + Carbon Filter Pretreatment
- + Softener Pretreatment
- + Mixed Bed DI Polisher
- + Export Wood Crating
- + Custom Designed Unit
- + Disassembled Unit Kit
- + Containerized System-20ft/ 40ft Shipping Container

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### APPLICATIONS

- + Drinking water
- + Ice making equipment feed water
- + Bottled water production
- + Circuit board rinsing
- + Steam boiler & humidification systems
- + Spot feeder rinse for car washes
- + Horticulture & greenhouses
- + DI pretreatment
- + Metal plating rinse water
- + Laboratory water supply



### OPERATING SPECIFICATIONS

- + Feed Water Temperature: 100° F max.
- + Feed Water Pressure: 30-75 psi
- + Operating Pressure: 150 - 250 psi.
- + Feed Water TDS: 1,000 ppm
- + pH Range: 5-8
- + Hardness over 1 gpg should be softened
- + Hydrogen Sulfide must be removed
- + Silica Tolerance: 25 ppm max. @ 60% recovery
- + Iron Tolerance: 0.05 ppm max.
- + Turbidity should be <3 NTU
- + Unit can handle higher TDS by lowering recovery

Model	Capacity		4" Membranes	Motor HP		Dimensions L" x W" x H"	Approx. Wt. Lbs
	GPD	M3/D		60Hz	50Hz		
PM4-12000	12,000	45.5	4 x 2	3	3	92" x 26" x 48"	720
PM4-15000	15,000	56.8	5 x 2	3	3	92" x 26" x 48"	840
PM4-18000	18,000	68.2	4 x 3	5	5	132" x 26" x 56"	875
PM4-21000	22,500	79.5	5 x 3	5	5	132" x 34" x 56"	910
PM4-24000	24,000	90.9	4 x 4	5	7.5	162" x 34" x 63"	960
PM4-27000	27,000	102.3	6 x 3	5	7.5	132" x 34" x 70"	1000
PM4-30000	30,000	113.6	5 x 4	7.5	7.5	162" x 34" x 70"	1035

\* Specifications are subject to change without notice

<b>Metric Units</b>	Pressure (bar) = PSI / 14.5	Power (kW) = HP x 0.746	Weight (Kg) = lbs / 2.2	Dimensions (mm) = inch x 25.4
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\* Purematch 400 systems can be customized for higher feed water TDS of up to 8000ppm, higher recoveries, additional pretreatment and posttreatment units.



**EnviroMatch, Inc.**  
Water and Wastewater Treatment Systems

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