

# Enviromatch Two-Bed Deionizers

**XMATCH 200**  
**Series**

## XMATCH 200 SERIES FEATURE

- + Two-Bed Automatic "Package" Deionizers are available in sizes from 10-100 GPM, and at rated exchange capacities of 107,000 to 860,000 grains. These systems are fully-assembled, skid mounted, with all wiring and tubing completed requiring minimum installation and start-up effort. Only first quality components are used in their manufacture.
- + Exchanger vessels are all-steel construction, rated at 75-100 psi, vinylester lined, with manholes, and flanged connections.
- + Piping is Schedule 80 PVC, with solvent-welded joints, rigidly supported on steel framework.
- + Valves-plastic diaphragm type, pneumatically operated, with integral travel stops for flow regulation.
- + Internal distributions are Schedule 80 PVC of the hub, and radial lateral design, rigidly supported, where required.
- + Resins are high capacity, strong acid cation, regenerated with 6#HCl/cu.Ft., and strong-base, Type II anion, regenerated with 6# NaOH/cu.Ft.
- + The Solid-State Control System is fully programmable with relay outputs coupled to



individual air solenoids for pneumatic valve actuation, system also includes continuous digital readout of step in progress and time remaining, panel-mounted conductivity monitor/controller with provision for pushbutton automatic or fully automation operation. Also incorporates battery back-up system to prevent loss of program memory due to power failure. Controller is housed in a NEMA-12 CABINET.

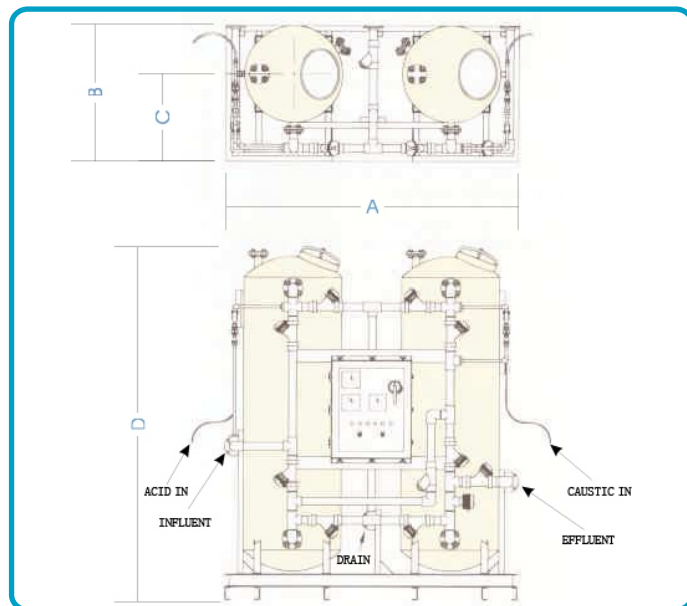
- + Included are stainless steel liquid filled pressure gauges, sample valves, flow indicator on water inlet, and inlet pressure reducing valve.

## AVAILABLE OPTIONS

- |  |                                    |
|--|------------------------------------|
| + Duplex System for Continuous Alternating Operation | + Fiberglass Tanks Rated @ 150 psi |
| + Automatic Recirculation                            | + ASME Code Pressure Vessels       |
| + Flow Totalization                                  | + Pumped Regeneration System       |
| + Acid and Caustic Tank                              | + NEMA-4 Cabinet                   |
| + Polisher Cation Vessel                             | + Custom Designed Units            |
|  | + Bigger Tanks upto 120 inch       |

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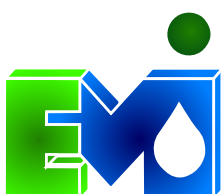


Model	Flow (GPM <sup>1</sup> )	Capacity (kilograins <sup>2</sup> )	Tank Size (in.)	Pressure Rating (psi)	Pipe Size (in.)	Acid Tank Size (in.)	Caustic Tank Size (in.)	Cation Resin (ft <sup>3</sup> )	Anion Resin (ft <sup>3</sup> )	A x B x C x D (in.)	Shipping Weight (lbs.)
XM2-1684	9 - 15	107	16x84	75	1	18x29	22x36	5	6	108x33x21x100	1,800
XM2-2084	16 - 25	143	20x84	75	1	18x29	22x36	7	8	116x37x23x100	2,200
XM2-2484	26 - 34	215	24x84	100	1-1/2	22x36	24x48	11	12	130x41x25x108	3,500
XM2-3084	35 - 55	340	30x84	100	2	24x48	31x48	17	19	139x45x27x109	5,000
XM2-3684	56 - 83	483	36x84	100	2	31x48	36x48	24	27	163x50x29x112	7,500
XM2-4284	84 - 103	660	42x84	100	2-1/2	31x48	42x48	33	37	175x56x32x114	10,500
XM2-4884	104 - 138	860	48x84	100	2-1/2	42x48	48x48	43	48	204x66x37x116	12,500

\* Specifications are subject to change without notice.

Metric Units	Flowrate (m <sup>3</sup> /hr) = GPM / 4.4	Resin (m <sup>3</sup> ) = ft <sup>3</sup> / 35.3	Weight (Kg) = lbs / 2.2	Dimensions (mm) = inch x 25.4
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1. Maximum flow rate is based on approximately 11 GPM/ft<sup>2</sup>.
2. Nominal capacity based on assumed typical water analysis.



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Water and Wastewater Treatment Systems

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