

Racor EDI Electro Deionization Systems Watermakers



EDI Series Systems are produced by Racor Village Marine (VMT) to polish the permeate from a reverse osmosis system. The quality of the product from an VMT EDI system will depend on the incoming feed water quality to the EDI system. Product quality up to 18 megaohms is possible with these systems.

The EDI System is superior to a conventional mixed-bed deionization system both in ease of operation and maintenance.

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In addition, no chemicals are used for regeneration.

The EDI Systems are modular, so they can be designed for various capacities and easily expanded when required.

EDI Systems are used in applications such as ultrapure water, USP grade water, water for injectibles (WFI), and removing trace quantities of contaminants.



ENGINEERING YOUR SUCCESS.

Racor EDI System Watermakers

Standard Equipment:

EDI Systems come complete and are skid mounted. These systems are tested before shipment. The main components included are:

- EDI Cells
- Flow Meters
- Pressure Gauges
- Controller
- Power Supply
- Flow Switch
- Resistivity Monitor
- All Safeguards & Alarms
- Incoming water conductivity meter
- Auto incoming water diverter valves w/controls
- Auto product water diverter valves w/controls

| Model # | Capacity | | Dimensions (In/Cm) | | | Approx. Weight (lb/kg) |
|------------|-------------|---------|--------------------|--------|--------|------------------------|
| | GPM | GPD | Length | Width | Height | |
| EDI-1XL100 | 0.25 – 0.75 | 1 – 3 | 23/59 | 26/66 | 36/91 | 240/110 |
| EDI-1XL200 | 0.5 – 1.5 | 2 – 6 | 23/59 | 26/66 | 36/91 | 250/114 |
| EDI-1XL300 | 1.5 – 3 | 6 – 11 | 23/59 | 26/66 | 36/91 | 260/118 |
| EDI-1XL400 | 3-7 | 11-27 | 23/59 | 26/66 | 36/91 | 270/123 |
| EDI-1XL500 | 6-10 | 25-38 | 23/59 | 26/66 | 36/91 | 340/155 |
| EDI-2XL500 | 12-20 | 45-76 | 23/59 | 26/66 | 36/91 | 520/236 |
| EDI-4XL500 | 24-40 | 91-151 | 60/152 | 48/122 | 72/182 | 680/310 |
| EDI-6XL500 | 36-60 | 136-227 | 60/152 | 48/122 | 72/182 | 780/354 |

Notes

- Final product water quality will vary with the incoming RO permeate water quality and the temperature of the water.
- The incoming RO permeate must meet the specified quality requirements.

Ordering Information:

Please add our voltage codes to the end of the model number when ordering.

Example: EDI-1XL200-216 = 220v/1ph/60hz

EDI-1XL100 to EDI-1XL500 are available in single phase only

Voltage Codes: 116 = 110v/ 1ph/ 60hz 216 = 220 or 230v/ 1ph/ 60hz 215 = 220v/1ph/50hz

EDI-2XL500 to EDI-6XL500 are available in three phase only

Voltage Codes: 236 = 220 or 230v/ 3ph/60hz 235 = 220v/3ph/50hz
436 = 460 or 480v/ 3ph/ 60hz 335 = 380v/3ph/50hz

WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
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