



CARIBE WATER TECHNOLOGY, INC.

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EDI Systems™ Electrodeionization Systems 7,200 to 230,400 GPD The EDI Series Electrodeionization System is a revolution in chemical-free deionization that is cost-effective for all flow rates. No regeneration chemicals are needed. No hazardous waste stream is produced. Operation is simple, continuous, and facility requirements are reduced. The EDI systems have several different modules to choose from (see chart below).. Each EDI system includes the following components: EDI module(s), EDI power supply, high water recovery (optional), choice of piping materials, monitoring instrumentation, and manual & automated valves. The EDI system also includes a main control panel (NEMA 4/12), which includes a PLC and OIT terminal to operate both the EDI system and components such as pre and post treatment that will interface with the system. The system is completely pre-wired and pre-piped on one skid for fast economical installation.

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St. B Rd. 156 Km.58.2
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Technical Data

EDI Module Design Parameters (per module)

Parameter	Mini MK-3	Maxi MK-3	Pharm MK-3	MiniHT MK-3	PharmHT MK-3
Product Flow	2.5 to 6.7 gpm	7.5 to 20 gpm	7 to 20 gpm	2.5 to 6.7 gpm	7 to 20 gpm
Product Quality	>16 Mohm.cm	>16 Mohm.cm	>10 Mohm.cm	>10 Mohm.cm	>10 Mohm.cm
Nominal Recovery	80 to 95%	80 to 95%	80 to 95%	80 to 95%	80 to 95%
Temperature	40 to 38°C	45 to 38°C	50 to 38°C	40 to 38°C	40 to 38°C
Inlet Pressure	45 to 100 psig	45 to 100 psig	45 to 100 psig	45 to 100 psig	45 to 100 psig

Note: HT models are designed to be fully heat sanitizable

Feed Water Requirements*	Specifications
Feed Water Source	RO Permeate
Feed Water Conductivity Equivalent including CO2	< 40 µS/cm
Silica (SiO ₂)	< 1 ppm
Iron, Mn, H ₂	< 0.01 ppm
Total Chlorine (as Cl ₂)	< 0.02 ppm
Hardness (as CaCO ₃)	< 1.0 ppm
Dissolved Organics (TOC) (as C)	< 0.5 ppm
Operating pH Range	4 - 11

*If any of the feed water parameters are not within the limits given, consult one of our application specialists for assistance.

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