

IONPURE® IP-MX500

High purity low flow CEDI modules

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MX is designed to

- Generates mixed-bed quality deionized water without the use of chemicals
- Significantly lower operating costs, than conventional ion exchange
- No need for acid/caustic, neutralization system or exchangeable DI tanks
- Double O-ring seal guarantees leak-free operation
- Continuous production with consistent quality
- Concentrate recirculation and brine injection not required
- Continuous operation

Description and use

The Ionpure® MX Series modules are designed with proven continuous electrodeionization (CEDI) technology. Performance on these modules has been optimized to produce high purity water for laboratory and smaller scale applications. A wide nominal flow range from 30 – 500 litres per hour increases the applicability for single module installations.

Typical Applications

- Laboratory / Pharmaceutica
- HPI/CPI
- Food and beverage
- Semiconductor and Electronics Industry

MX500 Module Specifications

Min-Nom-Max flow	250-500-750	lph
Shipping weight, approx.	36	kg
Dimensions (l x Ø)	62,9 x 17,8	cm

Typical Performance

Product Quality

* Product Resistivity	> 16	MOhm·cm
TOC (with RO pretreatment)	< 30	ppb
Silica (SiO ₂)	90 – 99	% removal

Operating Parameters

Recovery	90-95	%
Voltage	0 to 600	VDC
Maximum Amperage	2,5	ADC
Inlet Pressure	1,4 to 5,0	bar

Pressure drop range at nominal flow

0,7 to 1,4 bar

* Actual performance may be determined using IP-Pro projection software available from IonPure.

Maximum Feedwater Specifications

Water Quality	RO Permeate
Feed Water Conductivity Equivalent	< 40 µS/cm
Carbon Dioxide	≤30 ppm as CaCO ₃
Temperature	5 to 35 °C
Total Chlorine	< 0.02 ppm as CL ₂
Total Organic Carbon, TOC as C	< 0.5 mg/l
Total hardness (as CaCO ₃)	< 2,5 mg/l
Silica (SiO ₂)	< 1.5 mg/l

Quality Assurance

- CE marked.
- Each module is factory tested to meet strict industry standards.
- Manufactured in an ISO 9001 and ISO 14000 quality and environmental management system.