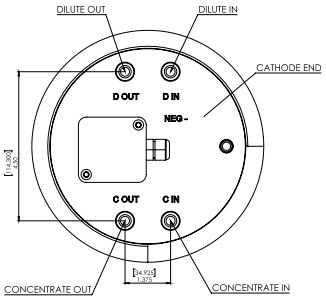
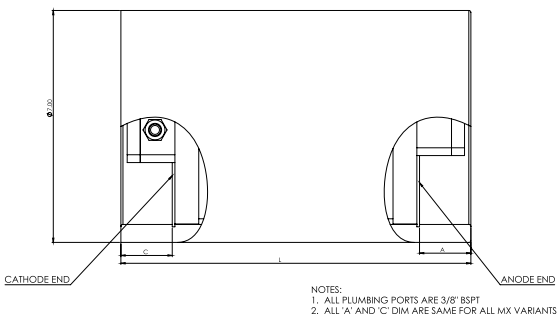
evoQUA
WATER TECHNOLOGIES

IONPURE® MX LOW FLOW CONTINUOUS ELECTRODEIONIZATION (CEDI) MODULES

IONPURE MX MODULES

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 liters per hour increases the applicability for single module installations.





MX Series Features

- Double O-ring seal & housing guarantees leak-free operation
- Superior electrical isolation
- 75 psi (5 bar), 113°F (45°C) continuous operation
- Proprietary all-filled concentrating compartments eliminate recirculation pump and brine injection
- Significantly lower operating costs
- Generate mixed-bed quality deionized water without the use of chemicals
- No need for acid/caustic, neutralization system or exchangable DI tanks
- Continuous production instead of batch, with consistent quality

Ionpure modules consistently deliver maximum reliability and superior performance for power, HPI/CPI, microelectronics, food and beverage and laboratory applications without regeneration downtime.

For additional information on our MX industrial series of modules visit our website at www.ionpure.com .

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ELECTRICAL REQUIREMENTS

Maximum module requirements are 200, 400, 600 VDC, 2.5 Amps.

OPERATING ENVIRONMENT

Installation should be indoors with no direct sunlight and should have a maximum ambient room temperature of 113°F (45°C).

QUALITY ASSURANCE STANDARDS

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

Halal Certification. All Ionpure modules are manufactured in accordance with the Islamic Food and Nutrition Council of America standards (IFANCA), and will carry the Crescent M Halal logo.

Feed Water Specifications

Feed Water Conductivity Equivalent, including CO_2 and Silica	< 40 µS/cm
Feed Water Source	RO permeate
Temperature	41 113°F (5 45°C)
Inlet Pressure	F 75 psi (5.2 bar)
Maximum Free Chlorine (as Cl_2)	< 0.02 ppm
Iron (as Fe)	< 0.01 ppm
Manganese (as Mn)	< 0.01 ppm
Sulfide (S^-)	< 0.01 ppm
pH	4 11
Total Hardness (as $CaCO_3$)	< 1.0 ppm
Dissolved Organics (TOC as C)	< 0.5 ppm
Silica (SiO_2)	< 1.0 ppm

Physical Specifications

Model Number	Overall Length
IP-MXM030	7.25 (18.41 cm)
IP-MXM060	8.83 (21.27 cm)
IP-MXM125	10.77 (27.37 cm)
IP-MXM250	15.45 (39.23 cm)
IP-MXM500	24.79 (62.96 cm)

Typical Module Performance

Operating Parameters	
Recovery	90 95%
Pressure Drop Range at Nominal Flow	10 20 psi (0.7 1.4 bar)

Product Water Quality	
Product Resistivity	> 16 megohm-cm*
Silica (SiO_2) Removal	90 99%, depending on feed water

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

FLOW AND PHYSICAL SPECIFICATIONS

Ordering Part Number	Model Number	Product Flow min. gpm (LPH)	Product Flow nominal gpm (LPH)	Product Flow max. gpm (LPH)	Shipping Weight lbs (kg)	Operating Weight lbs (kg)
W3T17324	IP-MXM030	.06 (15)	0.13 (30)	0.19 (45)	10 (4.5)	12 (5.4)
W3T17326	IP-MXM060	0.13 (30)	0.26 (60)	0.39 (90)	13 (5.9)	15 (6.8)
W3T17328	IP-MXM125	0.27 (62.5)	0.55 (125)	0.825 (187)	25 (11)	27 (12)
W3T17331	IP-MXM250	0.55 (125)	1.1 (250)	1.65 (375)	45 (20)	47 (21)
W3T17333	IP-MXM500	1.1 (250)	2.2 (500)	3.3 (750)	75 (34)	79 (36)

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