

Ionpure® MX Low Flow Continuous Electrodeionization (CEDI) Modules

IONPURE MX – LOW FLOW MODULE Continuous high-purity water without chemicals

MX SERIES FEATURES

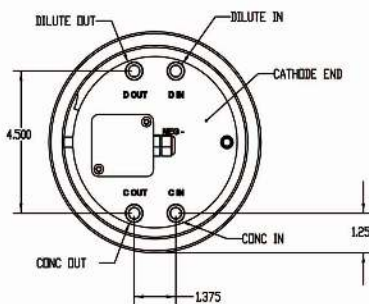
- » Double O-ring seal & housing guarantees leak-free operation
- » Superior electrical isolation
- » 75 psi (5 bar), 113°F (45°C) continuous operation
- » Patented “all-filled” concentrating compartments eliminate recirculation pump and brine injection
- » Significantly lower operating costs
- » Generate 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.

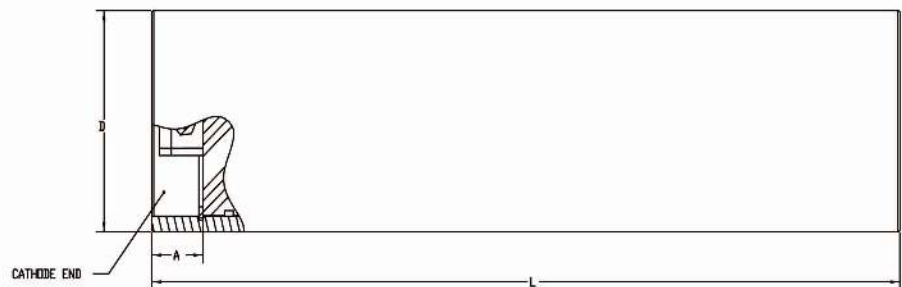
IONPURE



For additional information on our MX industrial series of modules call 866-876-3340 or visit our web site at www.ionpure.com.



All plumbing ports are $\frac{3}{8}$ " BSP-P thread



Ionpure®MX

Low Flow

Continuous

Electrodeionization

(CEDI) Modules

ELECTRICAL REQUIREMENTS

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

OPERATING ENVIRONMENT

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

QUALITY ASSURANCE STANDARDS

CE marked. Each module is factory tested to meet strict IONPURE and industry standards and is manufactured in an ISO 9001:2000 facility.

PHYSICAL SPECIFICATIONS

Item Number	DIMENSIONS	
	L	C
MX30	7.25" (18.41cm)	7.0" (17.78 cm)
MX60	8.83" (21.27 cm)	7.0" (17.78 cm)
MX125	10.77" (27.37 cm)	7.0" (17.78 cm)
MX250	15.45" (39.23 cm)	7.0" (17.78 cm)
MX500	24.79" (62.9 cm)	7.0" (17.78 cm)

MAXIMUM FEED WATER SPECIFICATIONS

Feed Water Conductivity Equivalent, including CO ₂ and Silica	< 40 S/cm
Feed Water Source	RO permeate
Temperature	41–113° F (5–45° C)
Inlet Pressure	20–100 psi (1.4–7 bar)
Maximum Total Chlorine (as Cl ₂)	<0.02 ppm
Iron (Fe)	<0.01 ppm
Manganese (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

TYPICAL MODULE PERFORMANCE

Operating Parameters

Recovery	90–95%
Maximum Feed Pressure	75 psi (5 bar)
Pressure Drop Range at Nominal Flow	10–20 psi (0.7–1.4 bar)
Maximum Feed Temperature	113° F (45° C)

Product Water Quality

Product Resistivity	>16 megohm-cm
Note: Actual performance may be determined using the IP-Pro projection program.	
SiO ₂ Removal	90–99%, depending on feed conditions

ORDERING DETAILS

MX Series Modules

Item Number	Product Flow min. gpm (lph)	Product Flow nominal gpm (lph)	Product Flow max. gpm (lph)	Shipping Weight lbs. (kg)	Operating Weight lbs. (kg)
MX30	.06 (15)	.13 (30)	.19 (45)	10 (4.5)	12 (5.4)
MX60	.13 (30)	.26 (60)	.39 (90)	13 (5.9)	15 (6.8)
MX125	.27 (62.5)	.55 (125)	.825 (187)	25 (11)	27 (12)
MX250	.55 (125)	1.1 (250)	1.65 (375)	45 (20)	47 (21)
MX500	1.1 (250)	2.2 (500)	3.3 (750)	75 (34)	79 (36)



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