



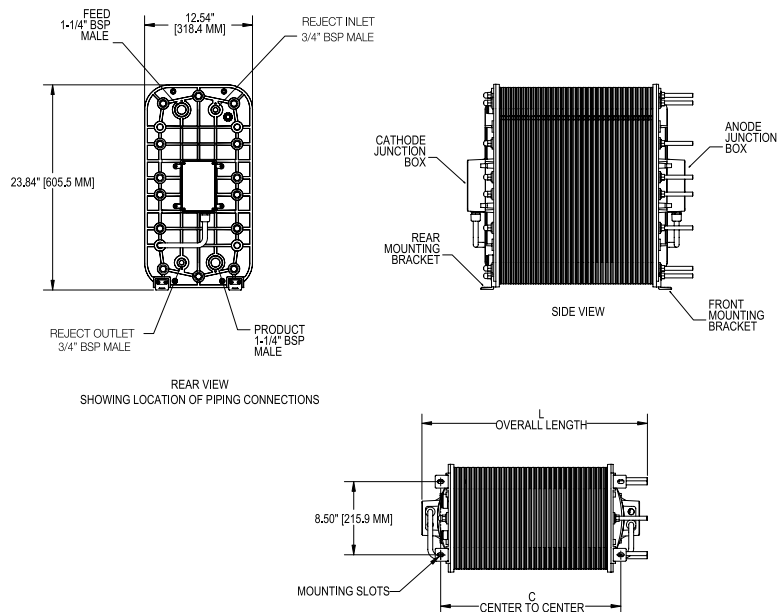
eVOQUA
WATER TECHNOLOGIES



IONPURE® LX-X HIGH PURITY CONTINUOUS ELECTRODEIONIZATION (CEDI) MODULES

IONPURE LX-X — INDUSTRIAL CEDI MODULE

The Ionpure® LX-X industrial modules produce high purity water through electrodeionization for a wide range of industrial applications. LX-X modules consistently deliver maximum reliability and superior performance for power, HPI/CPI, general electronics, food and beverage and laboratory applications without regeneration downtime.



LX-X Series Features

- 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 instead of batch, with consistent quality
- Superior electrical isolation
- Proprietary "all-filled" concentrating compartments eliminate recirculation pump and brine injection
- Continuous operation
- Wetted materials of construction comply with NSF 61 requirements

For additional information on our LX-X industrial series of modules call +1 866.876.3340 or visit our web site at www.ionpure.com.

OPERATING ENVIRONMENT

Installation should be indoors with no direct sunlight and should have a maximum ambient 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.

Typical Module Performance

Operating Parameters	
Recovery	90 - 95%
Pressure Drop Range at Nominal Flow	25 -37 psi (1.7 - 2.5 Bar)
DC Voltage	0 - 300
DC Amperage	1.0 - 6.0
Product Water Quality	
Product Resistivity	Minimum Flow > 17 Megohm-cm** Nominal Flow > 15 Megohm-cm** Maximum Flow > 7 Megohm-cm**
Silica (SiO ₂) Removal	90 - 99%, depending on feed conditions

*Actual performance may be determined using the IP-Pro projection software available from Ionpure.
** Performance based on maximum Feed Water Conductivity Equivalent (40 µS/cm)

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	≤ 100 psi (6.9 bar)
Maximum Total Chlorine (as Cl ₂)	< 0.02 ppm
Iron (as Fe)	< 0.01 ppm
Manganese (as Mn)	< 0.01 ppm
Sulfide (S ²⁻)	< 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

Item Number	Dimensions	
	L +/- 0.25" (6.4 mm)	C +/- 0.13" (3.2 mm)
LXM04X	10.12" (257 mm)	5.78" (146.8 mm)
LXM10X	13.69" (347.7 mm)	9.28" (235.7 mm)
LXM18X	19.22" (488.2 mm)	13.93" (353.8 mm)
LXM24X	23.69" (601.7 mm)	17.43" (442.7 mm)
LXM30X	27.42" (696.5 mm)	20.92" (531.3 mm)
LXM45X	35.72" (907.3 mm)	29.44" (747.7 mm)

FLOW AND PHYSICAL SPECIFICATIONS

Model Number	Product Flow min. gpm (m ³ /hr)	Product Flow nominal gpm (m ³ /hr)	Product Flow max. gpm (m ³ /hr)	Shipping Weight lbs* (kg)	Operating Weight lbs (kg)
IP-LXM04X	1.0 (0.22)	2.0 (0.44)	3.0 (0.67)	130 (59)	69 (31)
IP-LXM10X	2.5 (0.55)	5.0 (1.1)	7.5 (1.65)	171 (78)	113 (51)
IP-LXM18X	4.5 (1.1)	9.0 (2.0)	13.5 (3.1)	217 (99)	163 (74)
IP-LXM24X	6.3 (1.4)	12.5 (2.8)	18.8 (4.2)	254 (115)	203 (92)
IP-LXM30X	7.5 (1.65)	15.0 (3.3)	22.5 (5.11)	291 (132)	243 (110)
IP-LXM45X	11.3 (2.55)	22.5 (5.1)	33.8 (7.67)	451 (205)	345 (157)

* Includes shipping crate



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www.ionpure.com

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