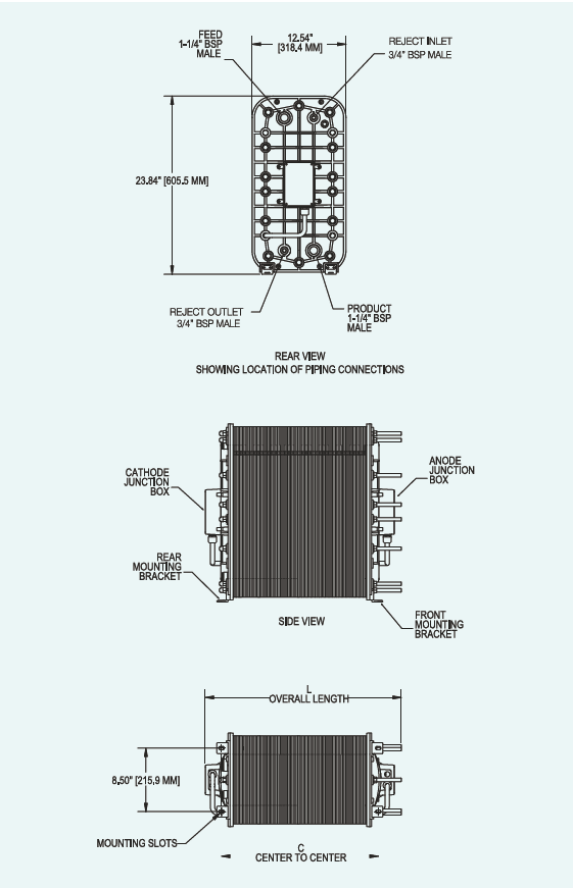
Ionpure® LX-Z Enhanced Performance Industrial Continuous Electrodeionization(CEDI) Modules

Ionpure® LX Module — LX-Z

The Ionpure® LX-Z industrial modules generate high purity water through electrodeionization and are specifically designed for industrial applications. Ionpure modules consistently deliver maximum reliability and superior performance for power, HPI/CPI, general electronics, food and beverage and laboratory applications without regeneration downtime.

LX-Z 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



For additional information call +31 165 348 253 or visit our website at www.purewatergroup.com

Engineering purity

PURE WATER GROUP

INTERNATIONAL IONPURE MASTER SERVICE PROVIDER

Ionpure® LX-Z Industrial
Continuous Electrodeionization (CEDI) Modules

Operating environment
Installation should be indoors with no direct sunlight and it should have a minimum 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.

Maximum Feed Water Specifications	
Feed water conductivity equivalent, Including CO_2 and Silica	< 40 µS/cm
Feed water source	RO permeate
Temperature	40 - 113°F (5 – 45°C)
Inlet pressure	20 – 100 psi (1.4 – 7 bar)
Maximum total chlorine (as Cl2)	< 0.02 ppm
Iron (Fe)	< 0.01 ppm
Manganese (Mn)	< 0.01 ppm
Sulphide (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		
	Dimensions	
Item Number	L +/- 0.25"(6.4 mm)	C +/- 0.13" (3.2 mm)
LXM04Z	10.12" (257 mm)	5.78" (146.8 mm)
LXM10Z	13.69" (347.7 mm)	9.28" (235.7 mm)
LXM18Z	19.22" (488.2 mm)	13.93" (353.8 mm)
LXM24Z	23.69" (601.7 mm)	17.43" (442.7 mm)
LXM30Z	27.42" (696.5 mm)	20.92" (531.3 mm)
LXM45Z	35.72" (907.3 mm)	29.44" (747.7 mm)

Typical Module Performance

Operating Parameters	
Recovery	90 – 95%
Maximum Feed Pressure	100 psi (7 bar)
Pressure Drop Range at Nominal Flow	20 – 30 psi (1.4 – 2.1 bar)
Maximum Feed Temperature	113°F (45°C)
DC voltage	0 – 600
DC amperage	0 – 6.0
Product Water Quality	
Product resistivity	Minimum Flow > 17 MΩ-cm* Nominal Flow > 15 MΩ-cm* Maximum Flow > 7 MΩ-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)

Flow and Physical Specifications					
Model Number	Product Flow min. gpm (m^3/h)	Product Flow nominal gpm (m^3/h)	Product Flow max. gpm (m^3/h)	Shipping Weight lbs (kg)	Operating weight lbs (kg)
IP-LXM04Z	1.0 (0.22)	2.0 (0.44)	3.0 (0.67)	150 (68)	100 (45)
IP-LXM10Z	2.5 (0.55)	5.0 (1.1)	7.5 (1.65)	200 (91)	150 (68)
IP-LXM18Z	4.5 (1.1)	9.0 (2.0)	13.5 (3.1)	220 (100)	170 (77)
IP-LXM24Z	6.3 (1.4)	12.5 (2.8)	18.8 (4.2)	250 (113)	200 (91)
IP-LXM30Z	7.5 (1.65)	15.0 (3.3)	22.5 (5.11)	270 (123)	220 (100)
IP-LXM45Z	11.3 (2.55)	22.5 (5.1)	33.8 (7.67)	320 (145)	270 (122.5)

Pure Water Group

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