

# Ionpure® LX-X Industrial Continuous Electrodeionization (CEDI) Modules

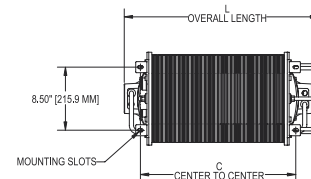
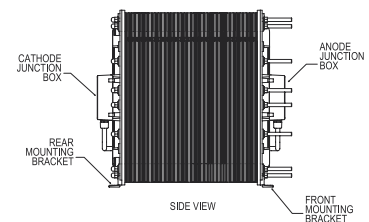
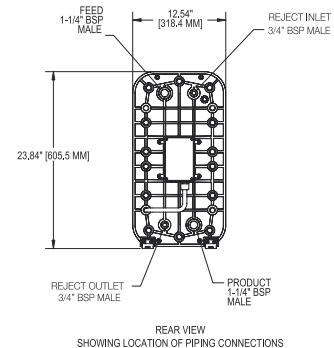
## Ionpure® LX-X – Industrial CEDI Module

The Ionpure® LX-X industrial modules generate mixed bed deionized 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-X Series Features

- Double O-ring seal guarantees leak-free operation
- 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
- Superior electrical isolation
- 100 psi (7 bar), 113 °F (45 °C) continuous operation
- Patented “all-filled” concentrating compartments eliminate recirculation pump and brine injection
- Significantly lower operating costs, than conventional ion exchange

For additional information on our LX-X industrial series of modules call 866.876.3340 or visit our web site at [www.ionpure.com](http://www.ionpure.com).



Data Sheet

Water Technologies

**SIEMENS**

## Ionpure® LX-X Industrial CEDI Modules

### 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
LXM04X	10.13" (257.0 mm)	5.78" (146.7 mm)
LXM10X	13.63" (346.1 mm)	9.28" (235.6 mm)
LXM18X	18.30" (464.0 mm)	13.93" (353.9 mm)
LXM30X	26.19" (665.3 mm)	20.92" (531.1 mm)
LXM45X	34.66" (880.4 mm)	29.44" (747.7 mm)

Maximum Feed Water Specifications	
Feed Water Conductivity Equivalent, including CO <sub>2</sub> and Silica	< 40 µS/cm
Feed Water Source	RO permeate
Temperature	41 – 113°F (5 – 45°C)
Inlet Pressure	100 psi (7 bar)
Maximum Total Chlorine (as Cl <sub>2</sub> )	< 0.02 ppm
Iron (Fe)	< 0.01 ppm
Manganese (Mn)	< 0.01 ppm
Sulfide (S <sup>-</sup> )	< 0.01 ppm
pH	4 – 11
Total Hardness (as CaCO <sub>3</sub> )	< 1.0 ppm
Dissolved Organics (TOC as C)	< 0.5 ppm
Silica (SiO <sub>2</sub> )	< 1.0 ppm

Typical Module Performance	
<b>Operating Parameters</b>	
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
<b>Product Water Quality</b>	
Product Resistivity	> 16 megohm-cm (see note below)
Note: Actual performance may be determined using the IP-Pro projection software available from Ionpure.	
Silica (SiO <sub>2</sub> ) Removal	90 – 99%, depending on feed conditions

Flow and Physical Specifications					
LX-X Series Modules					
Item Number	Product Flow min. gpm (m <sup>3</sup> /hr)	Product Flow nominal gpm (m <sup>3</sup> /hr)	Product Flow max. gpm (m <sup>3</sup> /hr)	Shipping Weight lbs (kg)	Operating Weight lbs (kg)
IP-LXM04X	1.0 (0.22)	2.0 (0.44)	3.0 (0.67)	150 (68)	100 (45)
IP-LXM10X	2.5 (0.55)	5.0 (1.1)	7.5 (1.65)	200 (91)	150 (68)
IP-LXM18X	4.5 (1.1)	9.0 (2.0)	13.5 (3.1)	220 (100)	170 (77)
IP-LXM24X	6.3 (1.4)	12.5 (2.8)	18.8 (4.2)	250 (113)	200 (91)
IP-LXM30X	7.5 (1.65)	15.0 (3.3)	22.5 (5.11)	270 (123)	220 (100)
IP-LXM45X	11.3 (2.55)	22.5 (5.1)	33.8 (7.67)	320 (145)	270 (122.5)

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