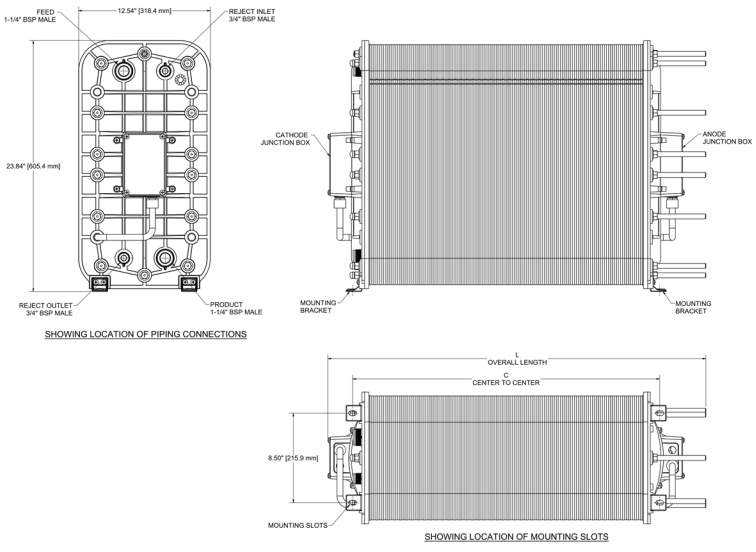
Ionpure® LX-Z Continuous Electrodeionization (CEDI) modules for industrial applications

Ionpure LX-Z—industrial CEDI module

The Ionpure LX-Z modules with improved chlorine tolerance are specifically designed for a wide range of industrial deionized water applications and markets, including boiler makeup water for power plants, water for Hydrocarbon and Chemical Processing (HPI/CPI) and other high purity needs.

Ionpure CEDI modules provide a constant flow of high purity water without the need for downtime or chemical regeneration like conventional deionization methods.





LX-Z series features

- Wide range of flow from 0.22 m^3/h (1 gpm) to 10 m^3/h (44 gpm) per module
- Significantly lower operating costs than conventional ion exchange
- Generates mixed-bed quality deionized water without the use of chemicals
- Continuous production instead of batch, with consistent quality
- Double O-ring seal guarantees* leak-free operation
- No need for acid/caustic, neutralization system or exchangable DI tanks
- Resin-filled concentrate for optimal performance and ease of operation
- Continuous operation
- Up to 0.05 ppm (total Cl_2) feed
- Wetted materials of construction comply with NSF® 14 and NSF 61 requirements

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.

Operating environment

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

* Subject to terms of warranty

Typical module performance

Operating parameters	
Recovery	90–95%
DC voltage	0–400 V
DC amperage	1.0–6.0 A

Product water quality	
Product resistivity	Typ. 17 MΩ-cm*
Silica (SiO_2) removal	90–99%, depending on feed conditions

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

Feed water specifications

Feed water conductivity equivalent, including CO_2 and silica	< 40 µS/cm
Feed water source	RO permeate
Temperature	5–45 ˚C (41–113 ˚F)
Inlet pressure	1.4–6.9 bar (20–100 psig)
Maximum total chlorine (as Cl_2)	< 0.05 ppm
Iron (as Fe)	< 0.01 ppm
Manganese (as Mn)	< 0.01 ppm
Sulfide (H_2S)	< 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	Dimensions*** C
LXM04Z	266 mm (10.5")	146 mm (5.7")
LXM10Z	355 mm (14.0")	233 mm (9.2")
LXM18Z	495 mm (19.5")	349 mm (13.8")
LXM24Z	609 mm (24.0")	437 mm (17.2")
LXM30Z	703 mm (27.7")	524 mm (20.6")
LXM45Z	914 mm (36.0")	742 mm (29.2")
LXM55Z	1062 mm (41.81")	887 mm (34.9")

***Refer to Dimensions Drawing for Tolerance

LX-Z flow range and weights

Ordering part #	Model number	Minimum flow rate m^3/hr (gpm)	Design flow rate m^3/hr (gpm)	Shipping weight kg (lbs)**	Operating weight kg (lbs)
W3T17286	IP-LXM04Z-5	0.22 (1.0)	0.44 - 0.73 (1.9 - 3.2)	59 (130)	31 (69)
W3T17291	IP-LXM10Z-5	0.57 (2.5)	1.1 - 1.8 (4.8 – 8.0)	78 (171)	51 (113)
W3T17297	IP-LXM18Z-5	1.0 (4.5)	2.0 - 3.3 (8.8 - 14)	99 (217)	74 (163)
W3T17303	IP-LXM24Z-5	1.4 (6.0)	2.8 - 4.4 (12 - 19)	115 (254)	92 (103)
W3T17312	IP-LXM30Z-5	1.7 (7.5)	5.0 - 5.5 (22 - 24)	132 (291)	110 (243)
W3T17314	IP-LXM45Z-5	2.6 (11)	7.0 - 8.2 (31 - 36)	205 (451)	157 (345)
W3T653071	IP-LXM55Z-5	3.1 (14)	9.0 - 10.0 (40 - 44)	225 (496)	190 (419)

**Includes shipping crate

For additional information on our LX-Z industrial series of modules, call +1-866-876-3340 or visit our website at xylem.com.

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ION-LXZ-DS-0326