Fact Sheet

IONPURE® IP-LXM45Z-4

High purity CEDI modules

www.deionx.com

The Netherlands
+31 164 265921
info@deionx.com
www.deionx.com

LX-Z is designed to

- 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 with consistent quality
- Concentrate recirculation and brine injection not required
- Continuous operation

Description and Use

The Ionpure® LX-Z industrial modules produce high purity water through electrodeionization for a wide range of industrial applications.

Typical Applications

- Power Industry
- HPI/CPI
- Food and beverage
- Semiconductor and Electronics Industry

Quality Assurance

- CE marked.
- Each module is factory tested to meet strict industry standards.
- Halal Certification

LXM45Z-4 Module Specifications		
Shipping weight	145	kg
Operating weight	12,5	kg
Dimensions (d x h x w)	907 x 605 x 320 mm	
Flowrates min/nom/max	2,55/5,1/7,7 m^3/h	

Typical Performance		
Product Quality		
Product Resistivity:		
Minimum flow	> 17	MOhm·cm**
Nominal flow	> 15	MOhm·cm**
Maximum flow	> 7	MOhm·cm**
Silica (SiO_2) Removal	90 – 99 % Depending on feed water	
** Actual performance may be determined using IP-Pro projection software available from IonPure.* ***Performance based on maximum Feed Water Conductivity Equivalent (40 µS/cm)*		
Operating Parameters		
Recovery	90 – 95	%
Maximum Feed Pressure	7	bar
DC Voltage*	0 – 600	VDC
DC Amperage	0 – 6	Amp
Pressure Drop Range at Nominal Flow	1,4 – 2,1	bar

Maximum Feedwater Specifications		
Feed water conductivity equivalent, including CO2 and Silica	< 40	µS/cm
Feed water source	RO permeate	
Temperature min to max	5 to 45	°C
Inlet pressure	1,4 – 7	bar
Maximum Free chlorine (as Cl)	< 0,02	ppm
Iron (as Fe)	< 0,01	ppm
Manganese (as Mn)	< 0,01	ppm
Sulfide (S-)	< 0,01	ppm
pH	4 – 11	
Total hardness (as CaCO3)	< 1,0	ppm
Dissolved organics (TOC as C)	< 0,5	ppm
Silica (SiO2)	< 1,0	ppm

DEIONX – PURE QUALITY