

## IONPURE® IP-LXM30Z-4

### High purity CEDI modules

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

### LXM30Z-4 Module Specifications

Shipping weight	123	kg
Operating weight	100	kg
Dimensions (d x h X W )	697 x 605 x 320 mm	
Flowrates min/nom/max	1,65/3,3/5,1 m³/h	

### Typical Performance

#### Product Quality

Product Resistivity:	Minimum flow	> 17	MOhm·cm**
	Nominal flow	> 15	MOhm·cm**
	Maximum flow	> 7	MOhm·cm**
Silica (SiO <sub>2</sub> ) 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 – 400	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 CO <sub>2</sub> 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 <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