Fact Sheet

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IONPURE® IP-LXM18HI-3

High purity CEDI modules

LX-HI is designed to

- Hot water sanitizable at 85°C ± 5°C
- Continuous operation up to 60°C
- US Patented technology for instant hot water capability – no ramp up/down required
- Higher sanitization pressures 2.0 bar
- Double O-ring seal guarantees leak-free operation
- Proven performance after 150+ sanitizations
- Concentrate recirculation and brine injection not required
- Wetted materials of construction comply with FDA requirements

Description and use

Ionpure LXM-HI modules are hot water sanitizable EDI stacks which use electrical current to deionize and polish reverse osmosis (RO) permeate water. The product water quality for the system is at greater than USP quality levels required in today's Pharmaceutical applications.

Typical Applications

- Pharmaceutical
- Laboratory Semiconductor

Quality Assurance

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

LXM18HI-3 Module Specifications		
Shipping weight	100	kg
Operating weight	77	kg
Dimensions (d x h x w)	488 x 605 x 318	mm
Flowrates min/nom/max	1,1/2,0/3,1	m^3/h

Typical Performance		
Product Quality		
Product Conductivity:	< 0,1	MOhm.cm
Silica (SiO_2) Removal	90 – 99 Depending on feed water	%
Note: Actual performance may be determined using IP-Pro projection software available from IonPure.		
Operating Parameters		
Recovery	90 – 95	%
Maximum Feed Pressure	7	bar
DC Voltage*	0 – 240	VDC
DC Amperage	0 – 10	Amp
Pressure Drop Range at Nominal Flow	1,4 – 2,1	bar
Maximum Feed Temperature	60	°C
Sanitization Temperature at 2,0 bar	85	°C
Recovery	90 – 95	%
**Voltage required depends on module size*		

Maximum Feedwater Specifications		
Feed water conductivity equivalent, including CO2 and Silica	< 40	µS/cm
Temperature	5 to 60	°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