



# LX-HI Instant Hot Water Sanitizable Continuous Electrodeionization (CEDI) Modules

## Operating environment

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

## 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.

Maximum Feed Water Specifications	
Feed water conductivity equivalent, Including CO <sub>2</sub> and Silica	< 40 µS/cm
Feed water source	RO permeate
Temperature	40 - 140°F (5 - 60°C)
Inlet pressure	20 - 100 psi (1.4 - 7 bar)
Maximum total chlorine (as Cl <sub>2</sub> )	< 0.02 ppm
Iron (Fe)	< 0.01 ppm
Manganese (Mn)	< 0.01 ppm
Sulphide (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

Physical Specifications		
Module	Dimensions	
	L	C
LXM04HI	11.8" (30.0 cm)	7.47" (189.7 mm)
LXM10HI	15.29" (388.6 mm)	10.96" (278.5 mm)
LXM18HI	19.91" (505.7 mm)	15.62" (396.7 mm)
LXM24HI	23.38" (593.9 mm)	19.12" (485.6 mm)
LXM30HI	27.42" (696.5 mm)	22.61" (574.2 mm)
LXM45HI	35.72" (907.3 mm)	31.35" (796.3 mm)

## Typical Module Performance

Operating Parameters	
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	140°F (60°C)
Sanitization Temperature at 30 psi (2.0 bar)	185°F (85°C)
DC voltage	0 - 600
DC amperage	0 - 6.0
Product Water Quality	
Product conductivity	< 0.1µS/cm*
Silica (SiO <sub>2</sub> ) removal	90 - 99% depending on feed conditions

\*Actual performance may be determined using the IP-Pro projection software available from Ionpure.

Flow and Physical Specifications					
Module	Product Flow min. gpm (m <sup>3</sup> /h)	Product Flow nominal gpm (m <sup>3</sup> /h)	Product Flow max. gpm (m <sup>3</sup> /h)	Shipping Weight lbs (kg)	Operating weight lbs (kg)
LXM04HI	1.0 (0.22)	2.0 (0.44)	3.0 (0.67)	122 (55.5)	75 (34)
LXM10HI	2.5 (0.55)	5.0 (1.1)	7.5 (1.65)	153 (69.5)	108 (49)
LXM18HI	4.5 (1.1)	9.0 (2.0)	13.5 (3.1)	198 (90)	155 (70.5)
LXM24HI	6.3 (1.4)	12.5 (2.8)	18.8 (4.2)	233 (105.5)	188 (85.5)
LXM30HI	7.5 (1.65)	15.0 (3.3)	22.5 (5.11)	267 (121)	225 (102)
LXM45HI	11.3 (2.55)	22.5 (5.1)	33.8 (7.67)	367 (166.5)	333 (151)

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