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IONTECH® IT-ED04-HI

Factsheet

IT-ED04-HI features

One on one replacement for Ionpure IP-LXM4HI modules

- Hot water sanitizable at 85 °C ± 5 °C
- Continuous operation up to 6,9 bar (100 psi), 60 °C (140 °F)
- No temperature ramp up/down required
- Allowable Sanitization pressure 2.0 bar
- 150+ sanitization cycles
- Double O-ring, leak-free operation guaranteed
- Sanitary Tri-Clamp product and concentrate connections
- Module repair service

Description and Use

Iontech® IT-ED-HI high-temperature EDI modules replace Ionpure IP-LXM4HI modules. These modules are of excellent quality and fit precisely on your existing piping.
Iontech® IT-ED-HI modules will easily produce ultrapure water of consistent Ultra Pure quality up to 60 °C and can be heat sanitized at 85 °C to prevent bacterial growth.

Typical Applications

- Food and Beverage
- Pharmaceutical
- Laboratory

IT-ED04-HI Module Specifications

Shipping weight	55	kg
Operating weight	37	kg
Dimensions approx (h x w x d)	665 x 320 x 179	mm
Flowrates min / nom / max	0,22 / 0,44 / 0,67	m^3/h

Typical Performance

Product Resistivity**	< 0,10	µS/cm
Silica (SiO_2) Removal (Depending on feedwater conditions)	90 - 99	%

Operating Parameters

Recovery	90 - 95	%
Maximum Feed Pressure	6,9	bar
DC Voltage*	0 - 55	VDC
DC Amperage	0 - 6	Amp
Pressure Drop Range at Nominal Flow	1,4 - 2,1	bar

Maximum Feedwater Specifications

Feedwater source	RO permeate	
Feedwater conductivity equivalent, including CO_2 and Silica	< 40	µS/cm
Temperature min to max	5 to 60	°C
Inlet pressure	1,4 - 7	bar
Free chlorine (as Cl_2)	< 0,02	ppm
Iron (as Fe)	< 0,01	ppm
Manganese (as Mn)	< 0,01	ppm
Sulfide (S^{2-})	< 0,01	ppm
Total hardness (as $CaCO_3$)	< 1,0	ppm
Dissolved organics (TOC as C)	< 0,5	ppm
Silica (SiO_2)	< 1,0	ppm
pH	4 - 11	

Quality Assurance

- CE marked
- Each module is factory tested to meet strict industry standards
- Wetted materials comply with FDA requirements

* Actual performance may be determined on a projection from Iontech.
**Performance based on maximum Feed Water Conductivity Equivalent (40 µS/cm)