



IONTECH® IT-ED30-HI

IT-ED30-HI features

One on one replacement for Ionpure IP-LXM30HI 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-LXM30HI 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-ED30-HI Module Specifications

| | | |
|-------------------------------|-----------------|-------------------|
| Shipping weight | 125 | kg |
| Operating weight | 106 | kg |
| Dimensions approx (h x w x d) | 665 x 320 x 563 | mm |
| Flowrates min / nom / max | 1,7 / 3,4 / 5,1 | m ³ /h |

Typical Performance

| | | |
|------------------------------------|---------|-------|
| Product Resistivity** | < 0,10 | μS/cm |
| Silica (SiO ₂) Removal | 90 - 99 | % |

(Depending on feedwater conditions)

Operating Parameters

| | | |
|-------------------------------------|-----------|-----|
| Recovery | 90 - 95 | % |
| Maximum Feed Pressure | 6,9 | bar |
| DC Voltage* | 0 - 320 | 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)