

## IONTECH® IT-ED45-HI



### IT-ED45-HI features

One on one replacement for Ionpure IP-LXM45HI 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-LXM45HI 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

### Maximum Feedwater Specifications

| Feedwater source                                                        | RO permeate |       |
|-------------------------------------------------------------------------|-------------|-------|
| Feedwater conductivity equivalent, including CO <sub>2</sub> and Silica | < 40        | µS/cm |
| Temperature min to max                                                  | 5 to 60     | °C    |
| Inlet pressure                                                          | 1,4 - 7     | bar   |
| Free chlorine (as Cl <sub>2</sub> )                                     | < 0,02      | ppm   |
| Iron (as Fe)                                                            | < 0,01      | ppm   |
| Manganese (as Mn)                                                       | < 0,01      | ppm   |
| Sulfide (S <sup>2-</sup> )                                              | < 0,01      | ppm   |
| 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   |
| 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)

### IT-ED45-HI Module Specifications

|                               |                 |                   |
|-------------------------------|-----------------|-------------------|
| Shipping weight               | 170             | kg                |
| Operating weight              | 148             | kg                |
| Dimensions approx (h x w x d) | 665 x 320 x 778 | mm                |
| Flowrates min / nom / max     | 2,6 / 5,1 / 7,6 | m <sup>3</sup> /h |

### Typical Performance

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

(Depending on feedwater conditions)

### Operating Parameters

|                                     |           |     |
|-------------------------------------|-----------|-----|
| Recovery                            | 90 - 95   | %   |
| Maximum Feed Pressure               | 6,9       | bar |
| DC Voltage*                         | 0 - 400   | VDC |
| DC Amperage                         | 0 - 6     | Amp |
| Pressure Drop Range at Nominal Flow | 1,4 - 2,1 | bar |