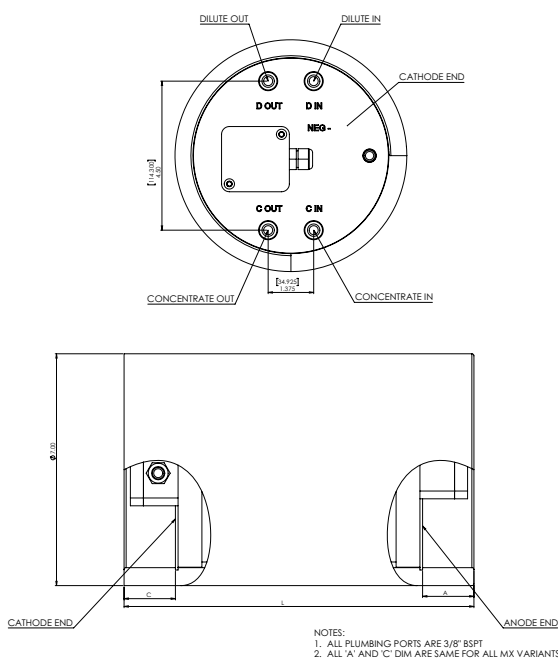




## IONPURE® MX LOW FLOW CONTINUOUS ELECTRODEIONIZATION (CEDI) MODULES

### IONPURE MX MODULES

The Ionpure® MX Series modules are designed with proven continuous electrodeionization (CEDI) technology. Performance on these modules has been optimized to produce high purity water for laboratory and smaller scale applications. A wide nominal flow range from 30 – 500 liters per hour increases the applicability for single module installations.



### MX Series Features

- Double O-ring seal & housing guarantees leak-free operation
- Superior electrical isolation
- 75 psi (5 bar), 113°F (45°C) continuous operation
- Proprietary "all-filled" concentrating compartments eliminate recirculation pump and brine injection
- Significantly lower operating costs
- Generate mixed-bed quality deionized water without the use of chemicals
- No need for acid/caustic, neutralization system or exchangable DI tanks
- Continuous production instead of batch, with consistent quality

Ionpure modules consistently deliver maximum reliability and superior performance for power, HPI/CPI, microelectronics, food and beverage and laboratory applications without regeneration downtime.

For additional information on our MX industrial series of modules visit our website at [www.ionpure.com](http://www.ionpure.com).

## ELECTRICAL REQUIREMENTS

Maximum module requirements are 200, 400, 600 VDC, 2.5 Amps.

## OPERATING ENVIRONMENT

Installation should be indoors with no direct sunlight and should have a maximum ambient room 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.

Halal Certification. All Ionpure modules are manufactured in accordance with the Islamic Food and Nutrition Council of America standards (IFANCA), and will carry the Crescent M Halal logo.

### Physical Specifications

| Model Number | Overall Length    |
|--------------|-------------------|
| IP-MXM030    | 7.25" (18.41 cm)  |
| IP-MXM060    | 8.83" (21.27 cm)  |
| IP-MXM125    | 10.77" (27.37 cm) |
| IP-MXM250    | 15.45" (39.23 cm) |
| IP-MXM500    | 24.79" (62.96 cm) |

### Feed Water Specifications

|                                                                          |                       |
|--------------------------------------------------------------------------|-----------------------|
| Feed Water Conductivity Equivalent, including CO <sub>2</sub> and Silica | < 40 µS/cm            |
| Feed Water Source                                                        | RO permeate           |
| Temperature                                                              | 41 – 113°F (5 – 45°C) |
| Inlet Pressure                                                           | ≤ 75 psi (5.2 bar)    |
| Maximum 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>-</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             |

### Typical Module Performance

| Operating Parameters                |                                   |
|-------------------------------------|-----------------------------------|
| Recovery                            | 90 – 95%                          |
| Pressure Drop Range at Nominal Flow | 10 – 20 psi (0.7 – 1.4 bar)       |
| Product Water Quality               |                                   |
| Product Resistivity                 | > 16 megohm-cm*                   |
| Silica (SiO <sub>2</sub> ) Removal  | 90 – 99%, depending on feed water |

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

## FLOW AND PHYSICAL SPECIFICATIONS

| Ordering Part Number | Model Number | Product Flow min. gpm (LPH) | Product Flow nominal gpm (LPH) | Product Flow max. gpm (LPH) | Shipping Weight lbs (kg) | Operating Weight lbs (kg) |
|----------------------|--------------|-----------------------------|--------------------------------|-----------------------------|--------------------------|---------------------------|
| W3T17324             | IP-MXM030    | .06 (15)                    | 0.13 (30)                      | 0.19 (45)                   | 10 (4.5)                 | 12 (5.4)                  |
| W3T17326             | IP-MXM060    | 0.13 (30)                   | 0.26 (60)                      | 0.39 (90)                   | 13 (5.9)                 | 15 (6.8)                  |
| W3T17328             | IP-MXM125    | 0.27 (62.5)                 | 0.55 (125)                     | 0.825 (187)                 | 25 (11)                  | 27 (12)                   |
| W3T17331             | IP-MXM250    | 0.55 (125)                  | 1.1 (250)                      | 1.65 (375)                  | 45 (20)                  | 47 (21)                   |
| W3T17333             | IP-MXM500    | 1.1 (250)                   | 2.2 (500)                      | 3.3 (750)                   | 75 (34)                  | 79 (36)                   |



info@lenntech.com Tel. +31-152-610-900  
www.lenntech.com Fax. +31-152-616-289

Ionpure is a trademark of Evoqua, its subsidiaries or affiliates, in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2018 Evoqua Water Technologies LLC Subject to change without notice ION-MXLowFlow-DS-0818