



## OPERATING ENVIRONMENT

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

## MATERIALS CONSTRUCTION

- Wetted components of the VNX module consist of: PVC (adapters), nylon/ABS, polypropylene, silicone, ion-selective membranes, ion exchange resins, and thermoplastic elastomer.
- Polypropylene sanitary connectors available for purchase.
- Housing is fiberglass reinforced plastic (FRP). Standard color is white with a glossy finish; custom colors and labeling are available.
- The proprietary Flexmount™ bracket/end-block assembly is an epoxy-painted aluminum casting suitable for securing modules to the frames and/or each other in IONPURE®-system-approved configurations.

## 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.

### Accessories Ordering Information

Ordering #	Model #	Description
W2T829935	P-POWERDSP-TP	4.3" Touch Panel Display
W2T394491	IP-CABLE50CM-G2	1.6ft (50cm) Ethernet Cable
W2T394495	IP-CABLE2M-G2	6.5ft (2m) Ethernet Cable
W3T17348	IP-VNX-CK-PP-2	50mm Butt Weld

## Maximum Feed Water Specifications

Feed Water Conductivity Equivalent, including CO <sub>2</sub> and Silica	≤ 40 µs/cm
Feed Water Source	RO Permeate or DI water
Temperature	50° - 113° F ( 10° - 45° C)
Inlet Pressure	6.9 bar (100 PSI)
Maximum Total Chlorine (as Cl <sub>2</sub> )	≤ 0.02 ppm
Iron (as Fe)	≤ 0.01 ppm
Manganese (as Mn)	≤ 0.01 ppm
Sulfide (H <sub>2</sub> S)	≤ 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

	VNX-Max	VNX-Mini
Minimum Flow	7.5 m <sup>3</sup> /h (33 gpm)	6.0 m <sup>3</sup> /h (26.4 gpm)
Nominal Flow	15.0 m <sup>3</sup> /h (66 gpm)	12.0 m <sup>3</sup> /h (52.8 gpm)
Maximum Flow	22.7 m <sup>3</sup> /h (100 gpm)	17.9 m <sup>3</sup> /h (79.2 gpm)
Product Resistivity - RO permeate feed	> 17 MΩ- CM	
Product Resistivity - DI water feed	> 18 MΩ- CM	
Silica (SiO <sub>2</sub> ) Removal	≥ 95%	
Boron (B) Removal	≥ 95%	
Sodium (Na <sup>+</sup> ) Removal	≥ 99.8%	
Chloride (Cl) Removal	≥ 99.8%	
Recovery	90 - 95%	
DC Voltage	0 - 600	
DC Amperage	1 - 7.0	

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

## ORDERING INFORMATION AND SPECIFICATIONS

Order #	Module #	Description	Width inch (cm)	Height inch (cm)	Length inch (cm)	Shipping Weight lbs (kg)
W3T417958	IP-VNX-MAX-1	VNX-Max Module Only	20" (50.8)	20" (50.8)	84" (213.3)	895 (406)
W3T417959	IP-VNX-MINI-1	VNX-MINI Module Only	20" (50.8)	20" (50.8)	66.14" (168)	790 (358.3)



210 Sixth Avenue, Suite 3300, Pittsburgh, PA 15222

+1 (866) 926-8420 (toll-free)

ionpure@evoqua.com

www.ionpure.com

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ION-VNXMaxMini-DS-0124