Fact Sheet

IONPURE® IP-VNX55EP-2

High flow CEDI modules

www.deionx.com

The Netherlands
+31 164 265921
info@deionx.com
www.deionx.com

VNX55-EP is designed to

- Designed to meet low sodium, chloride, and sulfate requirements for super critical boilers
- Silica and Boron removal is typically > 95%
- 1 ppm maximum feed water hardness (as $CaCo_3$)
- Up to 95% recovery
- No need for acid/caustic, neutralization systems or DI tank exchanges
- Robust leak free sealing with through-port gasket
- Connection fittings are included
- On-board junction box

Description and use

The Ionpure® VNX55-EP high flow module is designed with proven continuous electrodeionization (CEDI) technology to produce high purity water. The VNX-EP range provides ultrapure water for critical boilers in the power industry and other bulk deionization high purity applications.

Typical Applications

- Power Industry
- Electronics Industry
- Semiconductor Industry

Quality Assurance

- CE marked.
- Each module is factory tested to meet strict industry standards.
- Manufactured in an ISO 9001 and ISO 14000 quality and environmental management system.

VNX55-EP Module Specifications		
Flowrates min/nom/max	7,5/12,5/16,7	m3/h
Operating weight	374,2	kg
Shipping weight	276,7	kg
Dimensions (w x d x L)	50,8 x 50,8 x 213	cm

Typical Performance		
Product Quality		
Product Resistivity 1-Pass RO	> 17	MΩ-cm*
2-pass RO	> 17,5	MΩ-cm *
DI water	> 18	MΩ-cm *
Sodium (Na^+) Removal	99,8	%
Chloride (Cl^-) Removal	99,8	%
Silica (SiO_2) Removal	≥ 95	%
Boron (B) Removal	≥ 95	%
** Actual performance may be determined using IP-Pro projection software available from IonPure.*		
Operating Parameters		
Recovery	90 – 95	%
Flow rate: minimum	7,5	m3/hr
Flow rate: nominal	12,5	m3/hr
Flow rate: maximum	16,7	m3/hr
DC Voltage	0 – 600	VDC
DC Amperage	0 – 13,2	Amp**
***0-10 Amp typical for most applications.*		

Maximum Feedwater Specifications		
Feed water conductivity equivalent, including CO2 and Silica	< 40	µS/cm
Feed water source	RO permeate	
Temperature min to max	5 to 45	°C
Inlet pressure	1,4 – 7	bar
Maximum Free chlorine (as Cl)	< 0,02	ppm
Iron (as Fe)	< 0,01	ppm
Manganese (as Mn)	< 0,01	ppm
Sulfide (S-)	< 0,01	ppm
pH	4 – 11	
Total hardness (as CaCO3)	< 1,0	ppm
Dissolved organics (TOC as C)	< 0,5	ppm
Silica (SiO2)	< 1,0	ppm

DEIONX – PURE QUALITY