

Fact Sheet

IONPURE® IP-VNX15-CDIT CEDI for high TDS applications

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VNX-CDIT is designed to

- Save water, increase RO system recovery up to 90%
- Combine in series with an EDR module to treat ≥ 750 ppm as NaCl feed and Silica levels ≥ 20 ppm
- Ideal for TDS up to 750 ppm and silica levels up to 20 ppm
- Flow rate up to 6,8 m³/h per module
- Thin-cell technology optimized for high TDS applications
- Compact Design
- Leak-Free guarantee
- On-Board Junction boxes
- Continuous treatment of high TDS water

Description and use

The Ionpure® VNX-CDIT continuous Electrodeionization (CEDI) module, now proven suitable for high TDS applications. Expanded capabilities for feed water challenges up to 750 ppm as NaCl and silica up to 20 ppm.

Typical Applications

- RO reject treatment
- High TDS applications

Quality Assurance

- CE marked.
- Each module is factory tested to meet strict industry standards.
- IFANCA HALAL Certified.

VNX15CDIT Module Specifications

Operating weight	190,5	kg
Dimensions (w x d x h)	50,8 x 50,8 x 112	cm
Flowrates min/nom/max	1,7/3,4/5,1	m ³ /h

Typical Performance (High TDS)

Typical Performance		
Recovery	68	%
Salt (TDS) Removal	80	%
Operating Parameters		
Recovery	80 – 90	%
Silica (SiO ₂) Removal	90 – 99	% Depending on feed water
Sodium Removal	99,5+	%
Chloride Removal	99,5+	%
Maximum Feed Pressure	5,5	bar
DC Voltage*	0 – 600	VDC
DC Amperage at hardness	Maximum current	
0 – 1,5 ppm	6,6	Amp
1,5 – 2,5 ppm	4,0	Amp
2,5 – 4,0 ppm	2,0	Amp

Note: Actual performance may be determined using IP-Pro projection software available from IonPure.

Maximum Feedwater Specifications

Feed water conductivity equivalent, including CO ₂ and Silica	< 1500	μS/cm
Temperature	5 to 45	°C
Inlet pressure	1,4 – 7	bar
Maximum Total Chlorine (as Cl ₂)	< 0,02	ppm
Iron (as Fe)	< 0,01	ppm
Manganese (as Mn)	< 0,01	ppm
Sulfide (as S ²⁻)	< 0,01	ppm
pH	4 – 11	
Total hardness (as CaCO ₃)	≤ 4,0	ppm
Silica (SiO ₂)	< 2,0	ppm
Dissolved organics, TOC as C	< 0,5	ppm

DEIONX – PURE QUALITY