ElectroDEI VNX

6 200 to 37 200 l/h

MEMBRANE SEPARATION PROCESS

ELECTRODEIONIZATION

ELECTRODEI - EASY

Result of many years of experience, the **ElectroDEI** range combines compactness, ease of use and high treatment performance.

Equipped with an Ionpure ® - leader of the demineralization with continuous regeneration - electrodeionization module, the **ElectroDEI** units are monitored by an electronic controller which handles the securities and the automatic and independant start of the system.

The production of a highly demineralized water (0.2 to 0.05µS) is secured ***permanently*** and ***without adjonction*** of any chemical products (acid or basic solution)

As an option, the **ElectroDEI** systems can be completed with a stainless steel skid integrating a pretreatment adapted to the raw water specifications (pre-filtration, softening, chemical conditioning, dechlorination…)

MADE IN FRANCE

CE

APPLICATIONS

The **ElectroDEI** ensures the production of demineralized water to feed :

- Low and high pressure boilers,
- Laboratories, cosmetics,
- Hospitals,
- Any application requiring purified water.

SPECIFICATIONS

Inlet membrane valve

Safety valve

Electrodeionization module

Stainless Steel feed pressure gauge

Feed sampling valve

Concentrate turbine flow meter

Permeate turbine flow meter

Conductivity probe

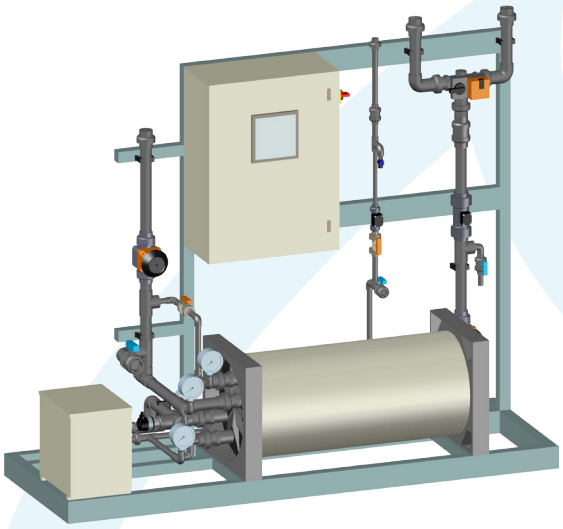
Concentrate and Permeate adjustable scaled valves

PLC with colour touchscreen V350

Electrical enclosure 400V+GND+N

CIP connection

ElectroDEI - VNX



OPERATING PARAMETERS

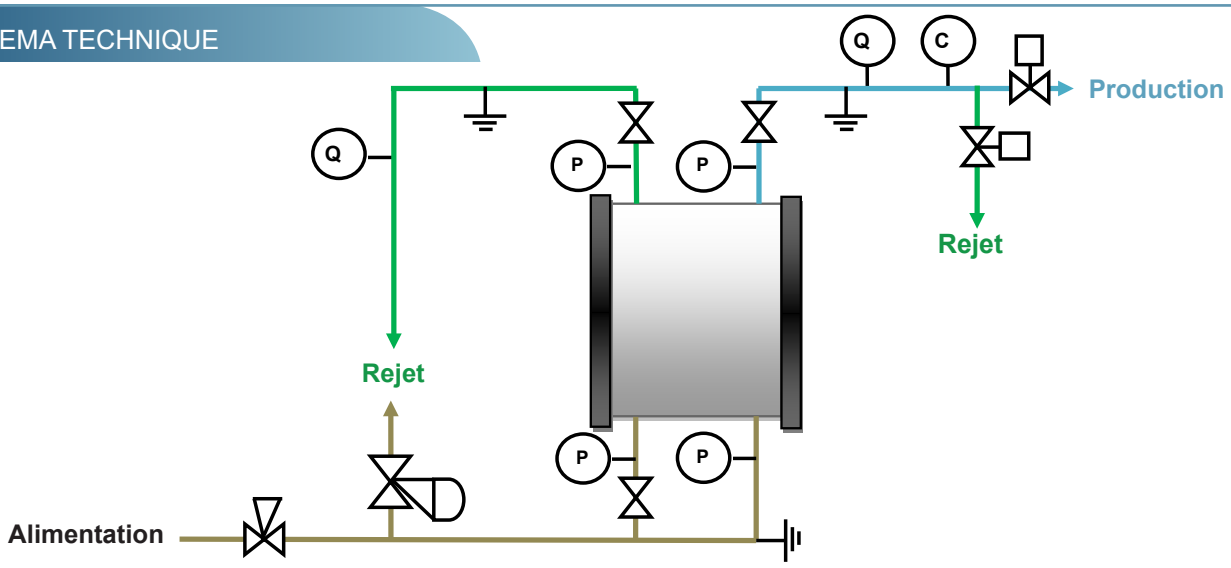
Feed pressure mini/maxi	3 / 6 bars
Maximum temperature	37°C
TDS max	< 15 ppm
Iron + Manganese concentration	< 0.01 ppm
Silica concentration	< 1 ppm
Chlorine concentration	< 0.1 ppm
SDI15 (Silt Density Index)	< 1
Organic matter	< 0.5 ppm
pH	6-12
Hardness	< 0.1 °F

TECHNICAL DATA

Model	ElectroDEI-VNX 28	ElectroDEI-VNX 50	ElectroDEI-VNX 55	ElectroDEI-VNX 50x2	ElectroDEI-VNX 55x2
Average flow rate at 15°C (L/h)*	6 200	11 400	12 500	22 800	25 000
Minimum flow rate at 15°C (L/h)*	2 800	5 700	5 700	11 400	11 400
Maximum flow rate at 15°C (L/h)*	9 400	17 000	19 000	34 000	37 400
Average concentrate flow rate (L/h)	330	600	660	1 200	1 320
Average feed flow rate (L/h)	6 530	12 000	13 160	24 000	26 320
Recovery	95%	95%	95%	95%	95%
Module	VNX28-2	VNX50-3	VNX55-2	2xVNX50-3	2xVNX55-2
Operating pressure (bar)	0.5	0.5	0.5	0.5	0.5
Power supply	400V - 50Hz				
Working voltage (V)	660	660	660	660	660
Maximum current (Amp)	5.6	10.5	10.5	21	21
Dimensions (mm)					
Length	2 300	3 300	3 300	3 300	3 300
Depth	1 000	1 000	1 000	1 000	1 000
Height	1 800	1 800	1 800	2 200	2 200

** The permeate flow rate varies with the water temperature, approximately 3% per °C.*
The permeate quality depends on the permeate flow rate. Please consult us for confirmation of the permeate quality.

SCHEMA TECHNIQUE



ADH2OC INDUSTRIAL

Headquarters
3, Rue Kercoz
22 220 TRÉGUIER - FRANCE
Tel +33 (0)2 96 40 02 50
Fax +33 (0)2 22 44 98 48
www.adh2oc-industrial.com

Workshop
Lieudit «La Vallée Drouard»
28500 CHÉRISY - FRANCE
Tel +33 (0)2 37 50 20 79
Fax +33 (0)2 22 44 98 48
e-mail : infos@adh2oc-industrial.com