

ElectroDEI MX

62.5 to 750 l/h



MEMBRANE SEPARATION PROCESS

ELECTRODEIONIZATION

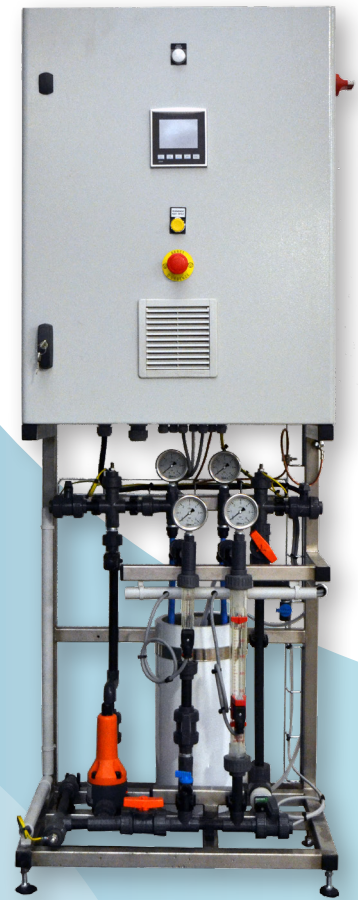
ELECTRODEI - EASY

The result of many years of experience, the ElectroDEI range combines compactness, simple use and high treatment performances.

Incorporating an electro-deionization module by Ionpure®, the leader in continuous regeneration demineralization, ElectroDEI units are controlled by a PLC handling the system safety devices and feature automatic and independent start up.

The production of highly demineralised water (from 0.2 to 0.05µS) is ensured continuously and without any additional chemical products (acid or soda).

As an option, the ElectroDEI range can be filled out by pre-treatment equipment on a stainless steel frame, adapted to the properties of raw water (pre-filtration, softening, chlorine removal, reverse osmosis...)



APPLICATIONS

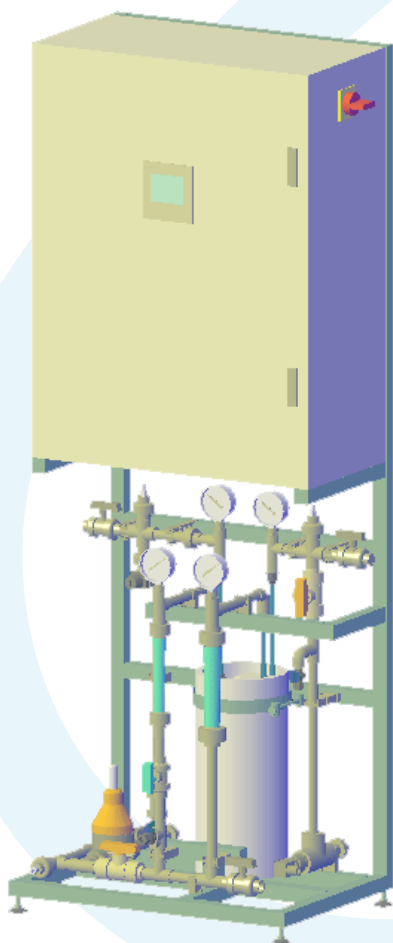
The ElectroDEI range is designed to supply reverse osmosis water for the following applications :

- low and high pressure boilers,
- laboratories, cosmetics,
- hospitals,
- any application requiring pure water.

SPECIFICATIONS

- Isolation valve,
- Electro-deionization module,
- Analog pressure sensors,
- Feed water sample valve,
- Concentrate, flow meter with low flow switch,
- Purified water, flow meter with low flow switch,
- Conductivity probe,
- 3 way purge valve with quality,
- Graduated adjustment valves for concentrate and purified water,
- V350 tactile colour screen PLC,
- 400V+G protection box,
- CIP cleaning valves.

ElectroDEI - MX



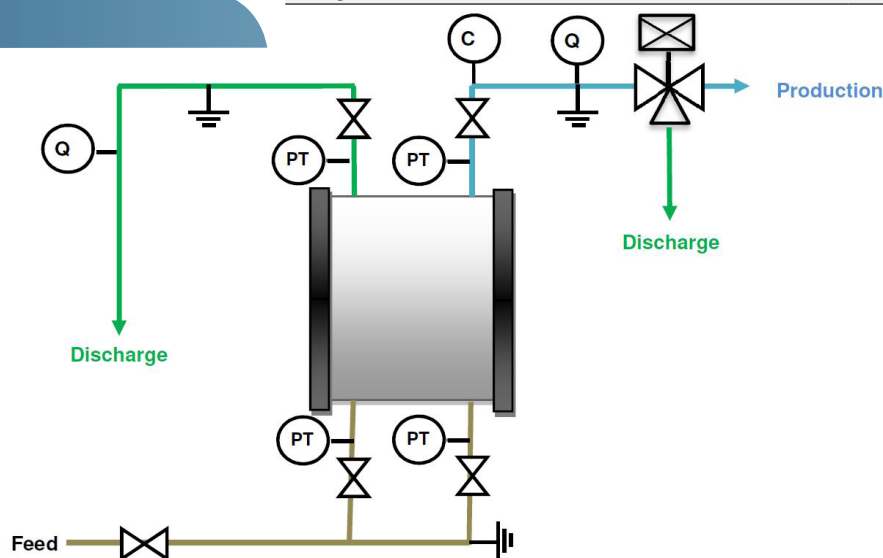
OPERATING PARAMETERS

Min/max feed pressure	3 / 6 bars
Maximum temperature	37°C
Total dissolved solid maximum	< 15 ppm
Iron + manganese concentration	< 0.01 ppm
Silica concentration	< 1 ppm
CO2 concentration	< 1 ppm
Chlorine concentration	< 0.1 ppm
SDI15 (fouling index)	< 1
Organic matter	< 0.5 ppm
Range of pH	6-12
Hardness	< 0.1 °F

TECHNICAL DRAWING

MODEL	ElectroDEI- MX 125	ElectroDEI- MX 250	ElectroDEI- MX 500
Average flow rate at 15°C (L/h)	125	250	500
Minimum flow rate at 15°C (L/h)	62.5	125	250
Maximum flow rate at 15°C (L/h)	187	375	750
Average concentrate flow rate(L/h)	14	28	56
Average feed flow rate (L/h)	139	278	556
Recovery rate	From 90% to 95%	From 90% to 95%	From 90% to 95%
Type of module	MX125	MX250	MX500
Permeat back-pressure (bar)	0.5	0.5	0.5
Connection DN (mm) Feed/Permeat/Drain	15/15/15	15/15/15	20/15/15
Electrical supply	3 x 400V + G		
Working voltage (V)	106	213	426
Maximum working current (Amp)	2.5	2.5	2.5
Dimensions (mm)			
Length	420	420	420
Depth	600	600	600
Height	1730	1730	1730

TECHNICAL DATA



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