

# ElectroDEI LX

220 to 7 670 l/h



MEMBRANE SEPARATION PROCESS

ELECTRODEIONIZATION

ELECTRODEI - ELITE

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

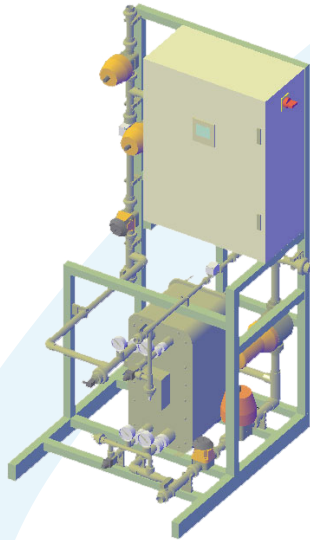
The ElectroDEI range is designed to supply reverse osmosis water for the following applications :

- 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,
- 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 - LX



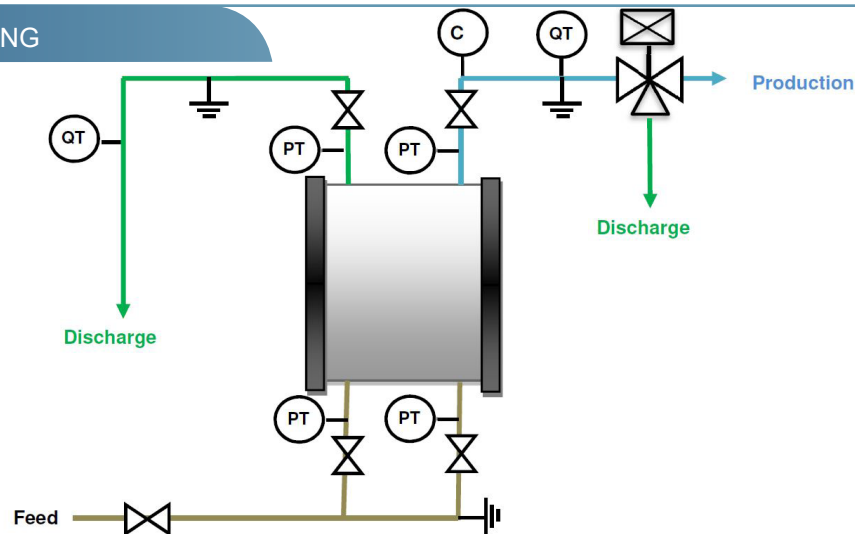
## OPERATING PARAMETERS

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 DATA

MODEL	ElectroDEI- LX04	ElectroDEI- LX10	ElectroDEI- LX18	ElectroDEI- LX24	ElectroDEI- LX30	ElectroDEI- -LX45
Average flow rate at 15°C (L/h)	440	1 100	2 000	2 800	3 300	5 100
Minimum flow rate at 15°C (L/h)	220	550	1 100	1 400	1 650	2 550
Maximum flow rate at 15°C (L/h)	670	1 650	3 100	4 200	5 110	7 670
Average concentrate flow rate(L/h)	25	58	105	147	174	268
Average feed flow rate (L/h)	465	1 158	2 105	2 947	3 474	5 368
Recovery rate	From 90% to 95%	From 90% to 95%	From 90% to 95%	From 90% to 95%	From 90% to 95%	From 90% to 95%
Type of module	LXM04X	LXM10X	LXM18X	LXM24X	LXM30X	LXM45X
Permeat back-pressure (bar)	0.5	0.5	0.5	0.5	0.5	0.5
Connection DN (mm) Feed/Permeat/Drain	20/15/15	20/20/15	25/25/15	32/32/15	32/32/15	40/40/20
Electrical supply	400V + G					
Working voltage (V)	53	133	240	320	400	600
Maximum working current (Amp)	6	6	6	6	6	6
<b>Dimensions (mm)</b>						
Length	1 000	1 000	1 000	1 000	1 000	1 200
Depth	1 000	1 000	1 000	1 000	1 200	1 500
Height	1 800	1 800	1 800	1 800	1 800	1 800

## TECHNICAL DRAWING



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