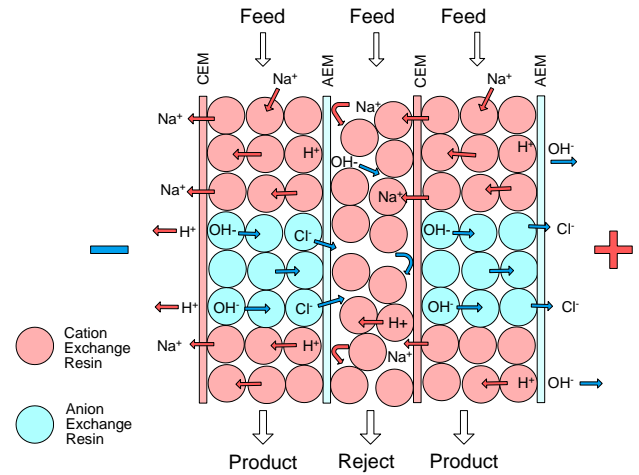


CEDI

Continuous Electro-deionization (CEDI) is the most advanced generation of Ion Exchange technology. CEDI is a chemical-free process to produce deionized water and therefore environmentally friendly, continuous production, and extremely low operating costs when compared to chemical regenerated ion exchange technology.



Feed Water Specification

Type	RO permeate
FCE	<40 μ S/cm
T °F (°C)	41 - 113 (5 - 45)
Psig (bar)	20 - 100 (1.4 - 7)
Free Cl ₂ , ppm	< 0.02
Fe, Mn, S ²⁻ , ppm	< 0.01
pH	4 - 11
Hardness	< 1 ppm CaCO ₃
Silica	< 1 ppm
TOC	< 0.5 ppm



CEDI Module Specification

Product Code	MT-MX-50	MT-MX-100	MT-MX-200	MT-MX-300
Permeate flow (L/H)	300-750	800-1500	1500-2500	2500-4500
Recovery (%)	80-95	80-95	90-95	90-95
Resistivity (M Ω .cm)	15-18	15-18	15-18	15-18
Working voltage(VDC)	15-100	30-150	50-150	90-200
Working current(ADC)	2-4	2-4	2-4	2-4
Designing voltage (VDC)	<=200	<=200	<=200	<=200
Designing current(ADC)	<=5.0	<=5.0	<=5.0	<=5.0
Inlet pressure (MPa)	0.2-0.5	0.2-0.5	0.2-0.5	0.2-0.5
Maximal inlet pressure (MPa)	0.6	0.6	0.6	0.6
Dilute water/ Permeate	DN25	DN25	DN25	DN25
Concentrated water/Outlet	DN15	DN15	DN15	DN15
LxWxH(mm)	240x690x315	330x690x315	530x690x315	650x690x315

CEDI System

Features:

- Reliable, compact design.
- Elimination of possible regenerate contamination.
- Chemical free. Non CL2 producing at anode.
- The concentrate can be recycled.
- No concentrate circulation pump.
- Lower operating cost --- no salt consumption; lower electrical consumption.
- Easy installation; easy design and maintenance.



SYSTEM SPECIFICATIONS

Product Code	MTC05M01	MTC10M01	MTC20M01	MTC30M01	MTC30M02	MTC30M03	MTC30M04
Number of Models	1	1	1	1	2	3	4
Min Flow (m ³ /hr)	0.3	0.8	1.5	2.5	5	7.5	10
Nom Flow (m ³ /hr)	0.5	1.13	2	3.5	6.5	9.5	12.5
Max Flow (m ³ /hr)	0.75	1.5	2.5	4.5	9	13.5	18
Typical recovery	90~95%	90~95%	90~95%	90~95%	90~95%	90~95%	90~95%
Inlet	1"	1"	1"	1"	1"	2"	2"
Outlet	1"	1"	1"	1"	1"	2"	2"
Drain	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"
Inlet Max. Pre.(psi)	100						
Max Pre. Drop(psi)	23~35						
Max. Temperature	<45℃						
Voltage	220/240/380VAC.50/60HZ			380/480/575VAC,50/60HZ			
Amperage	20	20	30	20	20	30	40
LxDxH (cm)	100x120x181	100x120x181	100x120x181	100x120x181	100x165x181	100x165x181	100x165x181
Ship Weight(kg)	100	120	150	250	400	550	600

Note: All weights and dimensions are approximate. Other custom designs are available upon request

