Specifications

No salt needed
lower operating cost
Low energy consumption
High quality materials & components
produce ultrapure water

PRODUCT DESCRIPTION

Configuration	Plate-frame
Filling form	Resin all-filled in three chamber
Number of Inlet and Outlet	Three-in and three-out
Flow Direction	Counter current flow
Sheathing Material	Aluminum plate

FEED WATER REQUIREMENT

TEA	Maximum 35 ppm
Applied Feed Pressure	Maximum 0.4 MPa (60 psi)
Feed-Product Pressure Drop*	0.15 ± 0.02 MPa (22 ± 3 psi)
Concentrate Pressure Drop*	0.1 ± 0.02 MPa (15 ± 3 psi)
Hardness (as $CaCO_3$)	Maximum< 10 ppm. Recommend <5.0 ppm
Organics (as TOC)	Maximum 0.5 ppm TOC. Recommend <0.1 ppm
Oxidizers(Cl_2/ O_2)	Maximum 0.05 ppm/ 0.02 ppm. Recommend Not Detectable.
Metals (Fe, Mn, etc.)	Maximum 0.01 ppm
Silica	Maximum 0.5 ppm
Total CO_2	Recommend <10 ppm
Particulate matter	SDI<1.0
Conductivity	Maximum 60 mS/cm (as NaCl)
Operating Temperature	5~35 °C (41~95 °F)
Operating pH Range	6.0~9.0

Illustrate: * means the value is measured as the flow standard.

APPLICATION DATA

EDI Module	CP-500S	CP-1000S	CP-2000S	CP-3600S
Operation Voltage (V)	20-80	20-100	50-120	50-180
Operation Current (A)	0.5-6.0	0.5-6.0	0.5-6.0	0.5-6.0
Product Flow (m^3/h)	0.4-0.7	0.9-1.2	1.0-2.0	2.0-3.5
Concentrate Flow (m^3/h)	0.06-0.10	0.13-0.18	0.15-0.30	0.24-0.41
Electrolyte Flow (m^3/h)	0.06	0.06	0.06	0.06

SPECIAL FEATURES:

1.No salt needed

Canpure EDI doesn't consume salts and recycle the concentrate in operation, which saves much expense and make the system much simpler.

2.Counter current flow

Concentrate and electrolyte stream flowing into EDI in opposite directions can avoid fouling largely. Then it broadens the feed water limit adequately

3.**Low energy consumption**

Canpure EDI fully filled with resin make the EDI module resistivity significantly reduced, which makes the energy consumption save largely.

4.**High quality materials and components**

High quality ion-exchange membrane and appropriate degree of resin compaction make the EDI work efficiency.

5.**Simple arrangement, installation, operation and electricity safety**

Easier to array modules side-by-side on a skid. The power connector of *Canpure* EDI is waterproof.

APPLICATIONS:

Canpure EDI modules are used to produce ultrapure water. It is used in many fields such as microelectronic and semiconductor production, pharmaceutical and biomedical industries, chemical production and high pressure boiler in power plants.