


CP-S Series Canpure EDI Modules

SPECIAL FEATURES 	<ul style="list-style-type: none"> No salt Injection Canpure EDI doesn't consume salts and recycle the concentrate in operation, which saves much expense and makes the system much simpler.
	<ul style="list-style-type: none"> Counter current Concentrate and electrolyte stream flowing into EDI in opposite directions can avoid fouling largely. Then it broadens the feed water limit adequately.
	<ul style="list-style-type: none"> Low energy consumption Canpure EDI fully filled with resin make the EDI module resistivity significantly reduced, which makes the energy consumption save largely.
	<ul style="list-style-type: none"> High quality materials and components High quality ion-exchange membrane and appropriate degree of resin compaction make the EDI work efficiency.
	<ul style="list-style-type: none"> 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.

MODULE PARAMETERS	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 - 2.3	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

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 µs/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.



จัดจำหน่ายโดย

ห้างหุ้นส่วนจำกัด ฤกษ์เทคโนโลยี

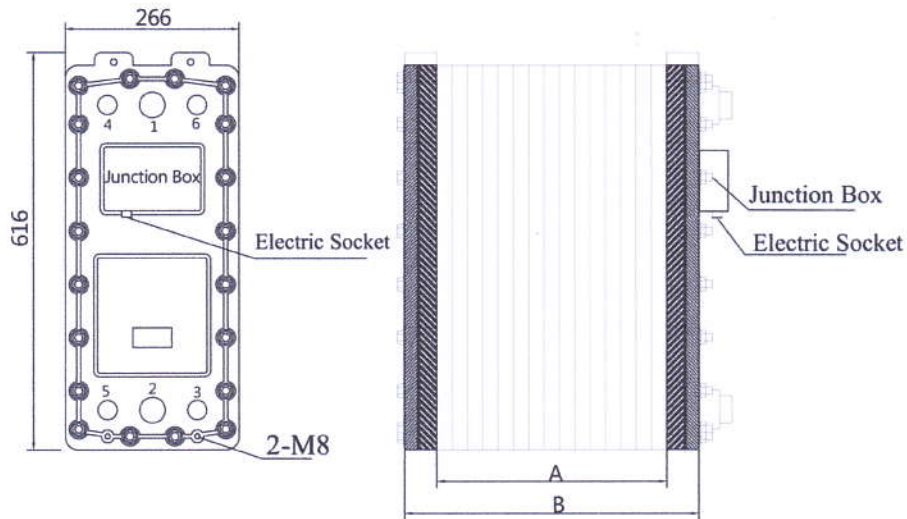
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CP-S Series Canpure EDI Modules




Front View

Left View

Table1 Jonint Diension			Table2 Dimensionsv of CP-S Serves EDI Module				
1	Feed	DN25 (2")	Module	CP-500S	CP-1000S	CP-2000S	CP-3600S
2	Product	DN25 (2")	Size (mm)	616x266x220	616x266x295	616x266x385	616x266x505
3	Elec. Inlet	DN15 (1/2")	A (mm)	75	150	240	30
4	Elec. Outlet	DN15 (1/2")	B (mm)	175	250	340	460
5	Conc. Inlet	DN15 (1/2")	No. of cells	8	16	25	38
6	Conc. Outlet	DN15 (1/2")	Weight (kg)	50	58	86	98

Canpure DC Power Unit

	The DC power requirements from EDI systems, including ripple and current control, are quite unique. To meet these requirements, Canpure has specially designed DC power units for EDI using IGBT technology.	
	<input type="checkbox"/> Digital display	
	<input type="checkbox"/> High frequency and high efficiency, high PF(power factor), high reliabilly.	
	<input type="checkbox"/> Low ripple, low noise and small foot print.	
	<input type="checkbox"/> Individually controlled.	

DC POWER PARAMETER	DC Power	CA-350	CB-150
	Voltage Input (V)	220 ± 15 %	
	Frequency Input (Hz)	50 ± 10 %	
	Voltage Output (V)	50 - 350	50 - 150
	Current Output (A)	0.5 - 6.0	
	Stationary	100 %	
	Ripple Factor	≤ 2%	
	Dimension (mm)	410 × 290 × 90	
	Weight (kg)	7.5	