



ECOMITE

Pureechem Co.,Ltd. Company Report



Pureechem Co.,Ltd.

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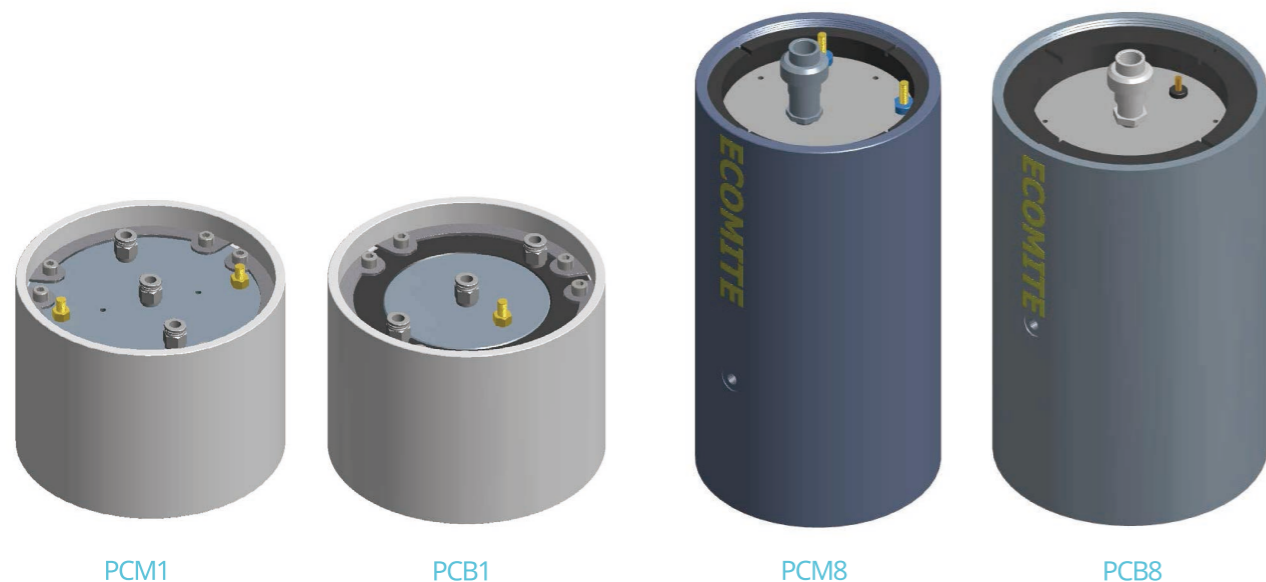
www.pureechem.com

PC CDI cell

- High capacity for CDI electrodes
- High salt removal & recovery rate
- Low energy consumption

Application

Cooling tower, Boiler, Household water
Drinking water, Deionized water
Sewage, Factory waste water
Seawater desalination, Industrial water
Metal ion recovery, High temperature water desalination



PCM1

PCB1

PCM8

PCB8

Characteristics & Specifications

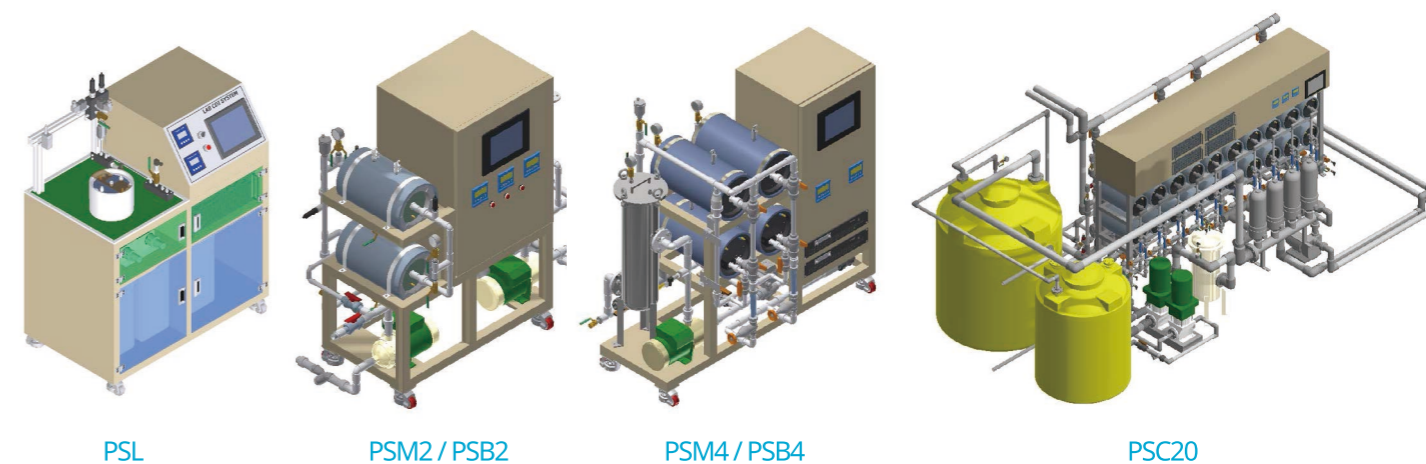
Product Name	PCM1 ECOMITE Cell (Mono) 1m ²	PCM8 ECOMITE Cell (Mono) 8m ²	PCB1 ECOMITE Cell (Bipolar) 1m ²	PCB8 ECOMITE Cell (Bipolar) 8m ²
Size	Ø216*H150 mm	Ø273*H525 mm	Ø216*H170 mm	Ø273*H455 mm
Inlet & Outlet Diameter	3/8" tap (Option: 10π Hose)	3/4" tap (Option: 20A Union)	3/8" tap (Option: 10π Hose)	3/4" tap (Option: 20A Union)
Electric Lead Connector	M8	M10	M8	M8
Operating Feed TDS	< 5,000 ppm	< 5,000 ppm	< 5,000 ppm	< 5,000 ppm
Operating Electric Power	DC 1.5V / 100A	DC 1.5V / 400A	DC 75V / 5A	DC 300V / 5A
Operating Flow Rate	Max. 0.2 TPH	Max. 1.2 TPH	Max. 0.2 TPH	Max. 1.2 TPH
Operating Water Pressure	Max. 3 bar	Max. 5 bar	Max. 3 bar	Max. 5 bar
Operating Water Temp.	5 ~ 70°C	5 ~ 70°C	5 ~ 70°C	5 ~ 70°C
Salt Removal	50 ~ 90%	50 ~ 90%	50 ~ 90%	50 ~ 90%
Recovery Rate	50 ~ 90%	50 ~ 90%	50 ~ 90%	50 ~ 90%

PS CDI System

- Small installation & site area
- Strong working condition of high water temperature
- Broad application of water treatment for desalination & concentration

Application

Cooling tower, Boiler, Household water
Drinking water, Deionized water
Sewage, Factory waste water
Seawater desalination, Industrial water
Metal ion recovery, High temperature water desalination



PSL

PSM2 / PSB2

PSM4 / PSB4

PSC20

Characteristics & Specifications

Product Name	PSL ECOMITE SYSTEM (Lab Scale)	PSM ECOMITE SYSTEM (Mono)	PSB ECOMITE SYSTEM (Bipolar)	PSC ECOMITE SYSTEM (Container)
Size	W1050*L697*H496 mm	Customerisation	Customerisation	Customerisation
Applicable CDI Cell	ECM1 / ECB1	ECM8	ECB8	ECM8 / ECB8
Pipe Size	6~12π Hose	20~25A Pipe	20~25A Pipe	> 25A Pipe
Electric Power Source	AC 220V, Single-Phase	AC 220/380V, 3-Phase	AC 220/380V, 3-Phase	AC 220/380V, 3-Phase
Operating Feed TDS	< 5,000 ppm	< 5,000 ppm	< 5,000 ppm	< 5,000 ppm
Operating Flow rate	3 LPM	3 TPH	5~15 TPH	> 70 TPH
Operating Water Pressure	3 bar	3 bar	5 bar	5 bar
Operating Water Temp.	5 ~ 70°C	5 ~ 70°C	5 ~ 70°C	5 ~ 70°C
Salt Removal	50 ~ 90%	50 ~ 90%	50 ~ 90%	50 ~ 90%
Recovery Rate	50 ~ 90%	50 ~ 90%	50 ~ 90%	50 ~ 90%
Measuring Instrument	Pressure, Conductivity, Water Temperature, Flow Rate, Supplied Voltage/Current, Electric Power, etc.			