



DATASHEET:

C-Flow LAB 5x5 Electrochemical Cell

C-Flow LAB is a laboratory electrochemical cell for general purpose R&D use. It has been designed for ease of use, robustness and flexibility. It can be used for synthesis studies, electrochemical studies and teaching.



Features

- Quick assembly by hand; no tools needed
- A stand is provided for easy dismantling and assembly
- Accepts any electrode material of any thickness from microns up to 8 mm
- Configurable as divided or undivided flow cell
- Templates provided for easy cutting of membranes and gaskets
- Improved flow distributor and electrode assembly (patent applied for)
- Ports for reference electrodes

Also Available

C-Flow LAB 1X1

Electrochemical hand-assembly cell with a 10 mm x 10 mm electrode area

Specifications

Unit height	185 mm
Unit width	304 mm
Unit depth	65 mm (140 mm with fittings)
Unit weight	5.5 kg
End-plates	304 Stainless steel
Cell Frames	CPVC
Electrodes	Flat plate, carbon as standard.
Current collectors	Brass
Electrolyte ports	Thread Size 1/4" NPT of 11mm depth. The as supplied fitting is a hose barb 3/8" ID tubing
Electrode dimensions	62 mm x 62 mm for working electrode area of 50 mm x 50 mm
Electrode Gap	6 mm
Operating Conditions	Operating temperature– up to 80°C Flow range – depending on fluid properties. Pressure to 1 bar (g)
Gasket Material	EPDM



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