

C-Flow LAB 1x1 is a hand-assembly laboratory electrochemical cell with a 10 mm x 10 mm electrode area. It has been designed for experimental work with a working volume of 1 ml of electrolyte from inlet to outlet, ideal for working with exotic or expensive solutions.

The C-Flow LAB 1x1 benefits from our many years' experience of designing and supplying cells to industrial, research and educational clients throughout the world.



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)

Also Available

C-Flow LAB V 5x5

Electrochemical hand-assembly cell with a 50 mm x 50 mm electrode area and variable electrode depth (from 0 to 8 mm)

C-Flow LAB 5x5

Electrochemical hand-assembly cell with a 50 mm x 50 mm electrode area

Specifications

Electrode dimensions	10 mm x 10 mm
Unit height	110 mm
Unit width	70 mm (95 mm with fittings)
Unit depth	60 mm (135 mm with fittings)
Unit weight	1200 g
End-plates	Laser-cut 304 stainless steel
Cell frames	PEEK
Membrane material	Nafion (various grades as standard, others available on request).
Electrodes	Flat plate, carbon and stainless steel available as standard. Other materials available on request: graphite, Ni, Pb, Ti, Ir/Pt coated-Ti, boron-doped diamond, carbon composites, nickel foam, meshes.
Current collectors	Brass
Electrolyte ports	Polypropylene barb fittings as standard (other materials on request including HDPE, PVDF, Nylon & PFA)



C-Flow is a registered trademark of C-Tech Innovation Ltd

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