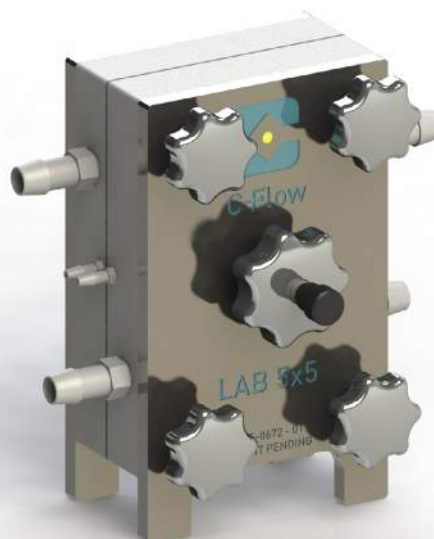


C-Flow LAB is a laboratory electrochemical cell for general purpose R&D use. It has been designed for ease of use, robustness and flexibility. It can be used for synthesis studies, electrochemical studies and teaching.

It benefits from our many years' experience of designing and supplying cells to industrial, research and educational clients throughout the world. It is available in a range of sizes including the standard C-Flow LAB 5x5 (5 cm x 5 cm active electrode area).



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)

Options

- Ports for reference electrodes
- Gas electrode kit (electrode and back-plate).
- A carbon composite plate with serpentine flow field as standard and other designs and materials (titanium, stainless steel) available on request
- Turbulence promoters (meshes) available on request

Specifications

Electrode dimensions	62 mm x 62 mm for working electrode area of 50 mm x 50 mm (LAB 5x5)
Inter-electrode gap	6 mm (smaller gaps available on request)
Unit height	185 mm
Unit width	110 mm
End-plates	Laser-cut stainless steel
Cell frames	Polypropylene (other materials available on request include HDPE, PVDF, Nylon, PFA & PVC)
Gasket material	EPDM as standard (others on request including Viton)
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

C-Tech Innovation Ltd
Capenhurst Technology Park
CH1 6EH
United Kingdom

Tel +44 (0) 151 347 2900
E-mail info@c-flow.co.uk
Web c-flow.co.uk