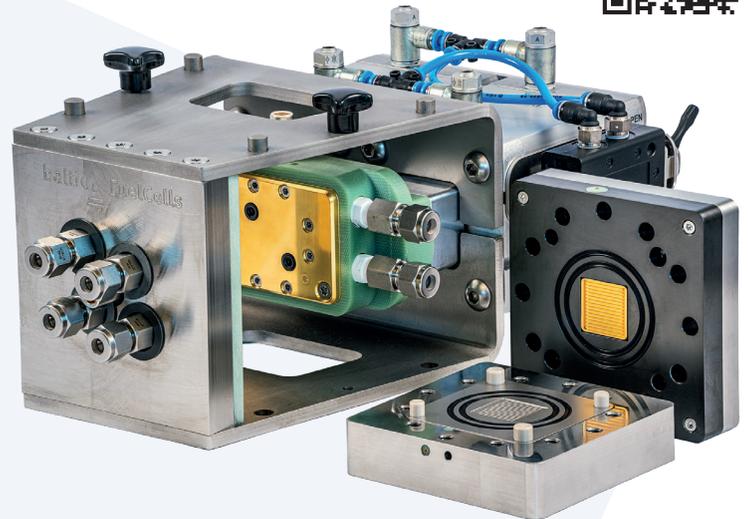


quickCONNECTfixture qCf FC5/2x63 LC 50 bar Ely



- ⇒ PEM Electrolysis
- ⇒ operating up to 50 bar g
- ⇒ thickness of cell internal assembly up to 2.5 mm
- ⇒ highly reproducible test conditions
- ⇒ fine-tuned control of contact pressure on active area
- ⇒ quick and easy mounting of the cell fixture
- ⇒ operating temperature up to 120 °C



qCf FC5/2x63 LC 50 bar Ely

active cell area	22.4 mm x 22.4 mm (= 5 cm ²)
flow field material	titanium grade 2, optional with coating
max. contact pressure	2.5 N/mm ²
max. operating temperature	120 °C
max. operating pressure	50 bar g
interface for all fluids	standard 6 mm; 1/4" on request
electric interfaces	cable lug for measuring line 1 mm (sense) cable lug 6 mm for measuring line (electronic load)
dimensions (LxWxH)	295 mm x 185 mm x 123 mm
weight (empty)	approx. 10 kg
article no.	13700

The quickCONNECT fixture FC5/2x63 LC 50 bar Ely is a compact and versatile test cell specifically designed for research, development, and quality assurance of internal cell components.

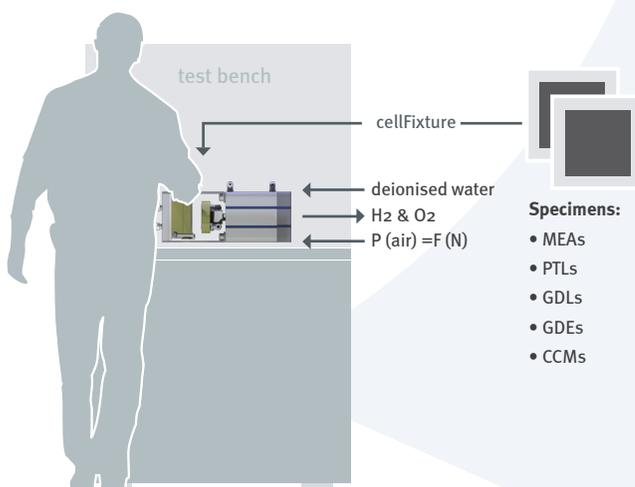
Engineered for scientific precision, the fixture enables rigorous and reproducible testing of a wide range of substrates, including:

- Membranes, Membrane Electrode Assemblies (MEAs)
- Porous Transport Layers (PTLs), Gas Diffusion Layers (GDLs)
- Gas Diffusion Electrodes (GDEs), Catalyst-Coated Membranes (CCMs)

Thanks to its patented pneumatically adjustable clamping mechanism, the system allows fine-tuned control of contact pressure on the active area, ensuring consistent and application-relevant conditions during measurement (Patent: WO 2006/056195 A1). This facilitates the reliable characterization of component behavior under various operational scenarios.

With its user-friendly setup and time-efficient workflow, the quickCONNECT fixture FC5/2x63 LC 50 bar Ely provides a powerful tool for accelerating development cycles and optimizing component performance.

electrolysis test equipment for laboratory & industrial environment



The quickCONNECT fixture shown in its closed and ready-to-use configuration. Removable safety panels provide reliable protection for high-pressure applications:

