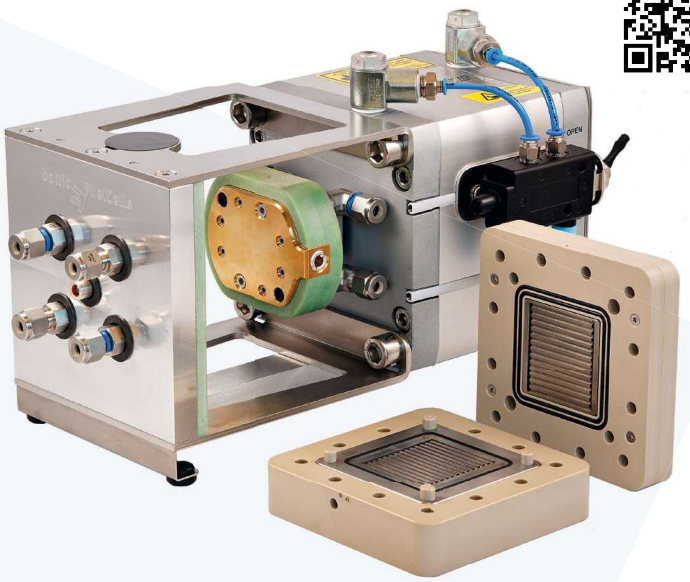
quickCONNECTfixture
qCf **FC25/125 LC 8 bar Ely**



- PEM & AEM Electrolysis
- operating up to 8 bar g
- thickness of cell internal assembly up to 2 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 90 °C

qCf **FC25/125 LC 8 bar Ely**	
active cell area	25 cm²
flow field material	titanium grade 2, optional with coating / nickel alloy
max. contact pressure	2.5 N/mm²
max. operating temperature	90 °C
max. operating pressure	8 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)	410 mm x 240 mm x 235 mm
weight (empty)	approx. 9 kg
article no. PEM article no. AEM	12110 12112

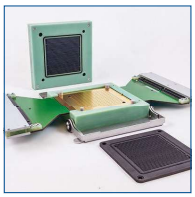
The quickCONNECT fixture enables precise and reproducible testing of electrolysis cell components under realistic operating conditions. Designed for both **PEM and AEM electrolysis research**, it supports **operating pressures of up to 8 bar g** and **temperatures up to 90 °C**, making it ideal for advanced materials development and quality assurance.

A patented key feature is the **continuously adjustable contact pressure** on the active area, allowing fine-tuned adaptation to specific test requirements (Patent: WO 2006/056195 A1). The fixture accommodates **component thicknesses of up to 2 mm**, ensuring compatibility with a wide range of cell configurations.

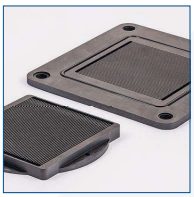
The **cell fixture can be exchanged quickly and easily**, without reconnecting test bench components — significantly reducing setup time and increasing throughput. In combination with the fixture's **highly reproducible test conditions**, this facilitates efficient, reliable, and application-oriented component characterization and quality assurance.

Optional Equipment

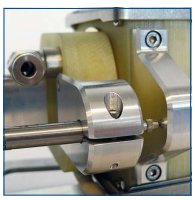
Professional accessories for optimisation and completion of the qCf system



Current density distribution (CSS) for measurement of current density and temperature distribution



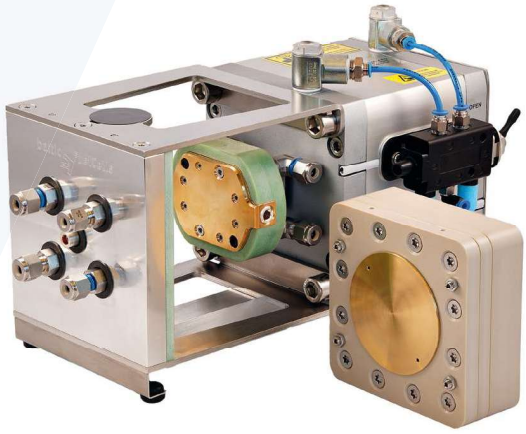
Flow field plate set various plate designs, structures and materials



Unit for compression measurement (CMD) for fully automated compression measurement analysis

HUBER ministat laboratory thermostat incl. „e-grade“ package for external temperature control

The cellFixture shown in its closed configuration. Ready to be mounted in the quickCONNECTfixture:



baltic FuelCells GmbH

Made in Germany

balticFuelCells GmbH
Hagenower Str. 73
D-19061 Schwerin

+49 (0)385 3993 210
sales@balticfuelcells.de
www.balticfuelcells.de