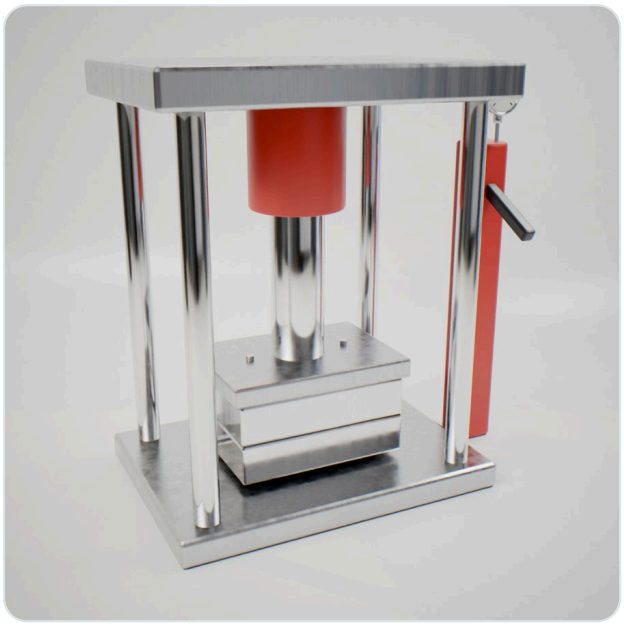
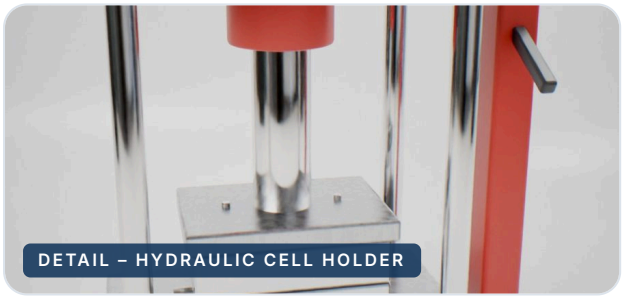
PRODUCT DATASHEET

Large Crossflow Membrane Test Cell (140 cm²)

140 cm² in a hydraulic holder





DETAIL – HYDRAULIC CELL HOLDER

OVERVIEW

The Tech Inc. Large Crossflow Membrane Test Cell (140 cm²) gives a 140 cm² flat-sheet area in a cell that is clamped by a hydraulic holder, so the membrane can be changed in minutes without bolts. The channel geometry and spacers match spiral-wound elements, which makes it the closest bench test to a real element.

MODELS AND CONFIGURATIONS

- **SS316 cell** – up to 69 bar.
- **Acrylic cell** – clear body for low pressure.
- **Shim set** – adjustable channel height.

TYPICAL DESIGN DATA

Active area	140 cm²
Pressure	Up to 69 bar
Clamping	Hydraulic holder
Temperature	Up to 80 °C

APPLICATIONS

RO and NF performance testing, fouling and cleaning studies, and element-scale benchmarking.

KEY ADVANTAGES

- **Element-like results** – spacers and velocity as in spiral elements
- **Fast changeover** – hydraulic clamp, no bolts
- **More permeate** – better accuracy at low flux

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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