PRODUCT DATASHEET

Crossflow Membrane Test Cell (42 cm²)

42 cm², up to 69 bar





DETAIL – BOLTED SS316 CELL

OVERVIEW

The Tech Inc. Crossflow Membrane Test Cell (42 cm²) tests flat-sheet membranes under crossflow conditions with a 42 cm² active area, a size that gives more permeate than small cells while still using small coupons. The channel takes standard feed spacers, so results compare with spiral elements.

MODELS AND CONFIGURATIONS

- **SS316 cell** – up to 69 bar.
- **Acrylic cell** – clear body for low-pressure UF and MF.
- **Cell with heating jacket** – temperature-controlled work.

TYPICAL DESIGN DATA

Active area	42 cm²
Pressure	Up to 69 bar (SS316)
Temperature	Up to 80 °C
Spacers	17 to 65 mil

APPLICATIONS

RO, NF, UF and MF membrane screening, fouling studies and teaching laboratories.

KEY ADVANTAGES

- **Reliable flux** – larger area than small cells
- **Realistic** – standard spacers as in elements
- **Robust** – SS316 for high pressure

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

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