PRODUCT DATASHEET

Closed-Circuit RO (CCRO) Lab Test Skid

Closed-circuit RO studies on small samples





DETAIL – ELEMENT HOUSING AND GAUGES

OVERVIEW

The Tech Inc. Closed-Circuit RO (CCRO) Lab Test Skid brings the closed-circuit, semi-batch RO cycle to the laboratory. One spiral-wound element, a feed pump and a circulation pump let researchers study recovery limits, scaling onset and antiscalant performance with a few hundred litres of water.

MODELS AND CONFIGURATIONS

- **2.5-inch element** – smallest sample volumes.
- **4-inch element** – closer to pilot results.
- **With chiller** – tight temperature control.

TYPICAL DESIGN DATA

Permeate	20 to 300 L/h
Pressure	Up to 41 bar; 69 bar option
Feed tank	100 to 500 L
Data	DAQ with CSV export

APPLICATIONS

University and corporate R&D, antiscalant and membrane screening, and feasibility work before a pilot.

KEY ADVANTAGES

- **Small samples** – a few hundred litres per test
- **Repeatable** – automatic cycles and logging
- **Compact** – fits a laboratory bay

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

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