PRODUCT DATASHEET

Batch Reverse Osmosis Testing System





DETAIL – CLOSE-UP

OVERVIEW

The Tech Inc. Batch Reverse Osmosis Testing System is a batch-mode RO testing platform engineered for membrane research, water treatment, and industrial applications. The Batch Reverse Osmosis Testing System operates in batch mode, enabling precise characterisation of RO membrane performance under controlled conditions.

APPLICATIONS

RO membrane characterisation and performance evaluation; flux decline and fouling kinetics studies; salt rejection and permeability measurement; concentration polarisation research; membrane aging and stability testing.

KEY ADVANTAGES

- Batch operation mode for precise time-resolved membrane characterisation
- High-pressure stainless steel construction rated for RO operating pressures up to 70 bar
- Precision pressure control with digital pressure transducers and regulators
- Integrated digital data acquisition (DAQ) system with real-time monitoring of pressure, flow, conductivity, temperature, and pH
- Variable-speed high-pressure pump with flow control

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

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