PRODUCT DATASHEET

Lab Test Skid for UF Membrane




DETAIL – CLOSE-UP

OVERVIEW

Available in hollow fibre or flat sheet UF module configurations, this adaptable system supports diverse membrane materials and processing conditions.

TYPICAL DESIGN DATA

Module Configuration	Available in Hollow Fibre UF Module or Flat Sheet UF Module versions
Compatible Membrane Materials	PES, PVDF, PS, PI, and other common UF polymers
Solvent Compatibility	DMAC, DMSO, NMP, and other standard casting solvents (specify requirements)
Feed Pump Type	Peristaltic or centrifugal pump (customisable based on application)
Feed Tank Capacity	Typically 10-50 L (customisable)
Operating Pressure Range	0.5 - 3.0 bar typical for UF (configurable for specific applications)
Feed Flow Rate	1-20 L/hour (adjustable and customisable)
Temperature Control	Optional heating/cooling jacket for controlled testing conditions
Monitoring Parameters	Feed flow rate, transmembrane pressure (TMP), permeate flow rate, temperature

APPLICATIONS

Ultrafiltration (UF) membrane performance evaluation and optimisation studies; hollow fibre and flat sheet membrane module testing and comparison; membrane bioreactor (MBR) process development for wastewater treatment.

KEY ADVANTAGES

- Flexible modular configuration supporting both hollow fibre and flat sheet UF membrane modules
- Membrane-material agnostic design accommodating PES, PVDF, PS, and other polymer membranes
- Solvent-compatible construction enabling testing with various casting and processing solvents
- Integrated feed pump and circulation system with precise flow rate control
- Pressure gauges and monitoring points for comprehensive system characterisation

How to cite: Lab Test Skid for UF Membrane (Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/products/ultrafiltration-testing-systems/lab-uf-skid

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

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.