PRODUCT DATASHEET

Clean in Place (CIP) Testing System





DETAIL – CLOSE-UP

OVERVIEW

The Tech Inc. Clean In Place (CIP) Testing System is a membrane cleaning and maintenance platform engineered for membrane research, water treatment, and industrial applications. The CIP Testing System enables in-situ cleaning of membranes without removing them from the system, critical for membrane maintenance and longevity research. The system supports multiple cleaning protocols including chemical cleaning cycles, backwash, and forward flush operations.

APPLICATIONS

RO/NF/UF/MF membrane cleaning protocol development; cleaning chemical evaluation and optimisation; flux recovery and membrane restoration studies; membrane lifetime extension research.

KEY ADVANTAGES

- Automated CIP cleaning protocols with programmable sequencing
- Chemical dosing systems for acid, alkali, oxidant, and surfactant solutions (NaOH, HCl, citric acid, NaOCl, EDTA, SDS)
- Temperature-controlled cleaning with heating capability up to 80 degrees C
- Flow rate and pressure monitoring during cleaning cycles
- Flux recovery measurement with pre- and post-cleaning comparison

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

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