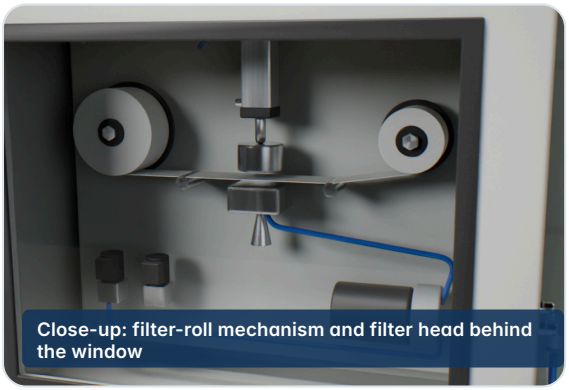
PRODUCT DATASHEET

FILTON 4950 Pro Automatic MFI Analyser

Unattended online MFI-0.45 with automatic filter-roll change

Product page





Close-up: filter-roll mechanism and filter head behind the window

OVERVIEW

The Tech Inc. FILTON 4950 Pro Automatic MFI Analyser measures the modified fouling index (MFI-0.45) of RO and NF feed water without an operator at the instrument.

TYPICAL DESIGN DATA

Measurement	Modified fouling index MFI-0.45 in s/L², calculated from the volume–time record of the test; MFI-5, MFI-10 and MFI-15 readings displayed
Filtration	ASTM D4189 test conditions: 0.45 µm membrane, 47 mm, constant 2.07 bar (30 psi)
Filter	Roll; changed automatically after each test
Codes and standards	Filtration at ASTM D4189 conditions; CE marking
Sample inlet	Up to about 8 bar; built-in diaphragm booster pump (about 1.6 L/min) for low-pressure lines; 3/8" BSP
Outputs	4–20 mA and RS-485 Modbus RTU to PLC, SCADA or DCS; alarm contacts
Alarms	MFI over-limit, RO membrane bypass and pump shut-off

MODELS AND CAPACITIES

- **FILTON 4950 Pro** – unattended MFI-0.45 analyser with automatic filter-roll change, built on the Silton 4950 Pro platform
- **FILTON 4750** – online MFI-0.45 analyser; the operator fits a fresh 47 mm disc for each test; built on the Silton 4750 platform

FILTON MFI analysers.

ORDERING CODE

Example **F4950-PRO-MS-230**: **PRO** model; **MS** cabinet: MS powder-coated steel, GRP glass-reinforced polyester; **230** supply: 230 V 50 Hz; 110 V 60 Hz on request.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: GRP cabinet; IP65 enclosure; 316L wetted parts.

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

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