PRODUCT DATASHEET

Cartridge and Bag Filter Test Rig

Removal efficiency, capacity and pressure drop of cartridge and bag filters for liquids

Product page





Close-up: cartridge and bag housings with differential pressure transmitters and particle counters

OVERVIEW

The Tech Inc. Cartridge and Bag Filter Test Rig rates cartridge and bag filters for liquids. Test dust is dosed into the liquid upstream of the filter, liquid particle counters count particles upstream and downstream, and the rig logs the pressure drop as the filter loads.

TYPICAL DESIGN DATA

Test method	Single-pass or multi-pass, agreed with you; test dusts to ISO 12103-1
Particle counting	Liquid particle counters upstream and downstream with sampling and dilution
Results	Removal efficiency at each particle size, dirt-holding capacity, pressure drop against time and report
Codes and standards	ISO 12103-1 test dusts; CE marking
Test liquid	Water or the process liquid you specify
Wetted parts	Stainless steel vessels and pipework; seals compatible with the liquid
Control	PLC with touch-screen HMI

MODELS AND CAPACITIES

- **TI-CBF-C** – cartridge station
- **TI-CBF-CB** – rig with both stations
- **TI-CBF-B** – bag housing station

Rigs are built to the filter sizes and flows you test.

ORDERING CODE

Example **TI-CBF-CB-100**: **CB** stations: C cartridge, B bag, CB both; **100** largest test flow in L/min.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** turbidity meters upstream and downstream; gravimetric sampling; additional stations; installation, commissioning and operator training.

KEY ADVANTAGES

- **Comparable results** – the same method for every filter
- **Efficiency by size** – counters upstream and downstream
- **Capacity measured** – dust added until the terminal pressure drop
- **Cartridge and bag** – both on one rig

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

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