PRODUCT DATASHEET

Filter Flow and Pressure Drop Test Bench (ISO 3968)

Pressure drop against flow for filter housings, elements and assemblies

Product page





Close-up: test filter housing with differential pressure transmitter and Coriolis flow meter

OVERVIEW

The Tech Inc. Filter Flow and Pressure Drop Test Bench (ISO 3968) measures the pressure drop of a filter against flow, the first figure every filter catalogue gives.

TYPICAL DESIGN DATA

Test method	ISO 3968:2017, with housing, element and assembly pressure drop reported separately
Results	Pressure drop against flow curves at the test viscosity, with the test conditions recorded in the report
Test flow	Pump and pipework sized to the largest filter you test
Codes and standards	ISO 3968:2017; CE marking
Test fluid	Mineral hydraulic oil or the fluid your standard specifies; temperature held by heater and heat exchanger
Instruments	Coriolis flow meter, differential pressure transmitters, temperature sensors, density and viscosity from the fluid data
Wetted parts	Stainless steel vessels and pipework; seals compatible with the test fluid

MODELS AND CAPACITIES

- **TI-FDP-L** – laboratory bench for small elements and spin-on filters
- **TI-FDP-H** – high-flow bench for large housings and duplex filters
- **TI-FDP-M** – mid-range bench for in-line and return-line filters

Benches are built to the filters, flows and fluids you test.

ORDERING CODE

Example **TI-FDP-M-200**: **M** size: L laboratory, M mid-range, H high flow; **200** 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:** additional test stations for other sizes; chiller for the test fluid; second fluid circuit for fuel or water-glycol.

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

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