PRODUCT DATASHEET

Filter Element Collapse, Burst and End Load Test Bench

Collapse/burst pressure rating and end load testing of filter elements

Product page





Close-up: collapse/burst chamber and end load press frame inside the guarded enclosure

OVERVIEW

The Tech Inc. Filter Element Collapse, Burst and End Load Test Bench verifies that a filter element holds its rated differential pressure without collapsing or bursting, and that it carries the axial load its housing puts on it.

TYPICAL DESIGN DATA

Test methods	ISO 2941:2009 (collapse/burst pressure rating); ISO 3723:2015 (end load test); fabrication integrity checked to ISO 2942
Differential pressure	Transmitter range chosen to the highest rating you test
End load	Hydraulic cylinder with load cell, force set and logged by the PLC
Codes and standards	ISO 2941:2009, ISO 3723:2015, ISO 2942:2018; CE marking
Results	Differential pressure against contaminant added, the pass or fail point, end load and a test report
Test fluid	Mineral hydraulic oil or the fluid you specify
Safety	Guarded test enclosure with interlocked door

MODELS AND CAPACITIES

- **TI-FCB-S** – collapse/burst bench for small and medium elements
- **TI-FCB-L** – collapse/burst bench for large elements
- **TI-FCB-E** – add-on end load press frame

Benches are built to the element sizes and pressure ratings you test.

ORDERING CODE

Example **TI-FCB-S-E**: **S** size: S small and medium, L large elements; **E** with end load press frame (omit if not required).

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: bubble point tester to ISO 2942; chiller for the test fluid; additional element adapters.

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