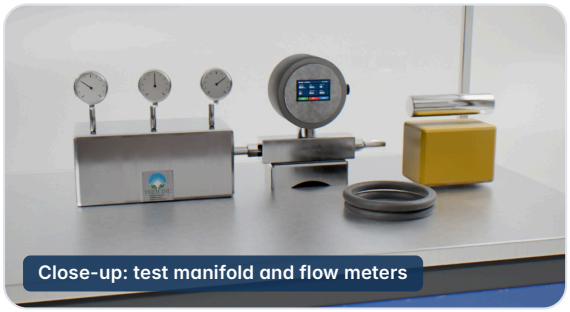
PRODUCT DATASHEET

Hydraulic Component Test Bench

Flow and pressure testing of pumps, actuators, valves and hoses

Product page





Close-up: test manifold and flow meters

OVERVIEW

The Tech Inc. Hydraulic Component Test Bench tests hydraulic pumps, motors, actuators, valves and hoses after manufacture or overhaul. A variable-speed power unit supplies controlled flow and pressure, the component is mounted on the test fixtures, and the bench measures flow, pressure, temperature and internal leakage while the software follows the test procedure and prints a report.

TYPICAL DESIGN DATA

Test flow	About 1 to 300 L/min
Test pressure	To about 420 bar; to about 1,000 bar for proof tests
Fluids	Mineral and synthetic hydraulic oils to the component specification
Codes and standards	Test procedures to the component maker's or the client's manual; pressure parts to ISO 4413 practice
Cleanliness	Fine filtration to the ISO 4406 class the component needs
Measurement	Calibrated flow, pressure, temperature and leakage
Software	Test procedures, pass or fail limits and PDF reports

MODELS AND CAPACITIES

- **TI-HCT-60** – about 60 L/min, about 350 bar
- **TI-HCT-300** – about 300 L/min, about 420 bar
- **TI-HCT-150** – about 150 L/min, about 350 bar
- **TI-HCT-HP** – proof tests to about 1,000 bar with an intensifier

Indicative maximum test flow and pressure.

ORDERING CODE

Example **TI-HCT-150-PV-R**: **150** maximum test flow, L/min; **PV** tests: P pumps and motors, V valves, A actuators, S servo valves, H hoses; **R** options: R report software, I intensifier, F second fluid circuit.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** pressure intensifier for proof tests; second fluid circuit; servo valve dynamic test module; particle counter; adapters for your components.

KEY ADVANTAGES

- **Proven parts** – each component tested to its procedure
- **Traceable** – calibrated readings and PDF reports
- **Clean oil** – fine filtration protects the parts under test
- **Versatile** – fixtures for many component types

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

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