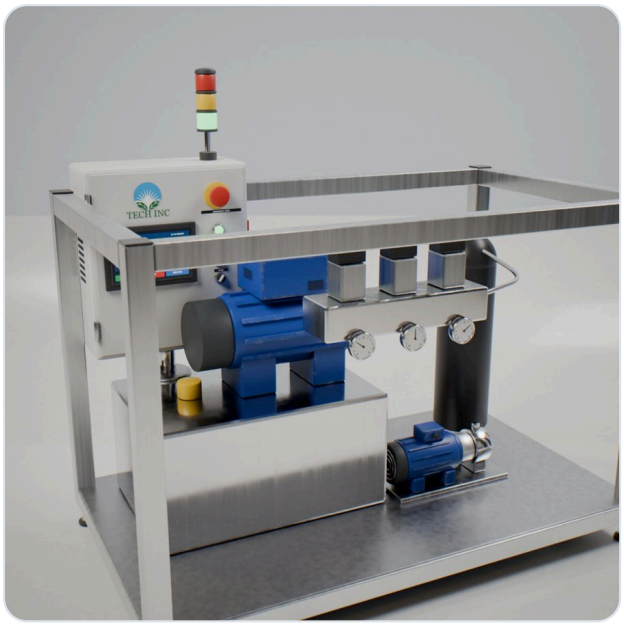
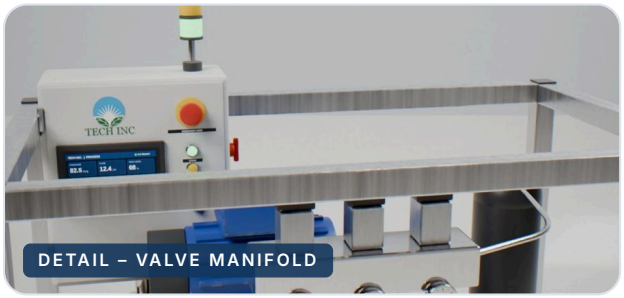
PRODUCT DATASHEET

Automated Hydraulic Pressure Control System

Closed-loop hydraulic pressure for test rigs





DETAIL – VALVE MANIFOLD

OVERVIEW

The Tech Inc. Automated Hydraulic Pressure Control System supplies and controls hydraulic pressure for test rigs, presses and core holders. A motor-driven pump, accumulator and proportional valves, controlled in closed loop, hold set points, follow ramps and run cycles while the system logs pressure and flow.

MODELS AND CONFIGURATIONS

- **Low-flow model** – confining pressure and small rigs.
- **Servo model** – fast dynamic control.
- **Multi-channel model** – several outputs.

TYPICAL DESIGN DATA

Model	TI-AHC-700 series
Pressure	Up to about 700 bar
Control	Closed-loop set point, ramp and cycle
Medium	Mineral or synthetic hydraulic oil
Interfaces	Ethernet, Modbus and analogue

APPLICATIONS

Confining pressure for core holders, hydraulic presses, component test benches, actuator testing and fatigue rigs.

KEY ADVANTAGES

- **Stable** – closed-loop control
- **Programmable** – ramps and cycles
- **Integrated** – connects to the test rig controller
- **Robust** – industrial HPU components

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

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