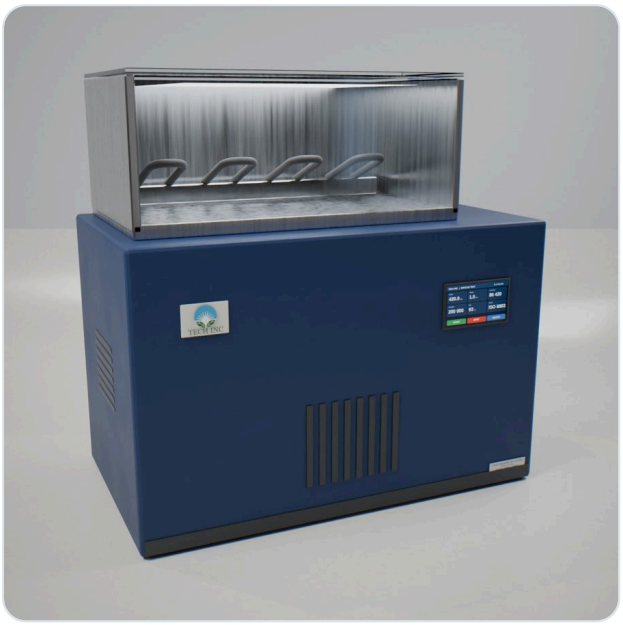
PRODUCT DATASHEET

Cyclic Pressure and Impulse Test System

Pressure fatigue life of hoses and components





DETAIL – TEST CHAMBER WITH HOSES

OVERVIEW

The Tech Inc. Cyclic Pressure and Impulse Test System tests how many pressure cycles a part survives. A servo-hydraulic intensifier applies a repeated pressure waveform to several parts in a heated, guarded chamber, and the controller counts cycles, holds the waveform and stops when a part fails.

MODELS AND CONFIGURATIONS

- **Impulse model** – square or trapezoidal waveforms.
- **Cyclic model** – slow cycles for vessels and filters.
- **Multi-station model** – several parts at once.

TYPICAL DESIGN DATA

Model	TI-CPT-500 series
Peak pressure	Up to about 1000 bar
Frequency	About 0.1 to 2 Hz
Oil temperature	Up to about 120 °C
Standards	ISO 6803, ISO 10771-1 and SAE J343 methods supported

APPLICATIONS

Hydraulic hoses and fittings, filter housings, valves, accumulators, heat exchangers and automotive components.

KEY ADVANTAGES

- **Realistic** – heated oil and controlled waveform
- **Productive** – several parts per test
- **Safe** – guarded chamber
- **Recorded** – cycle counts and failure points

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

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