PRODUCT DATASHEET

Safety Valve and Valve Test Bench

PSV set-pressure and valve shell/seat test benches





DETAIL – VALVE CLAMPED ON THE TEST TABLE

OVERVIEW

The Tech Inc. Safety Valve and Valve Test Bench tests pressure safety valves for set pressure and seat tightness, and tests new or repaired valves for shell strength and seat leakage. It is built for valve plants, refinery and petrochemical workshops and valve service shops, and records every test with a certificate.

MODELS AND CONFIGURATIONS

- **PSV test bench** – set-pressure and seat-tightness testing with gas or water.
- **Valve shell and seat bench** – hydrostatic shell and seat tests to API 598 and API 6D.
- **Combined bench** – both duties on one table.
- **In-situ PSV test kit** – add-on for testing safety valves on line during operation.

TYPICAL DESIGN DATA

Test standards	API 598 and API 6D, or client specification
Valve sizes	To client specification
Test pressure	To client specification
Test media	Water, nitrogen or air
Records	Digital pressure records and printed certificates

APPLICATIONS

Safety valve set-pressure testing and recertification, valve shell and seat tests at valve plants, refinery shutdown workshops and valve repair shops.

KEY ADVANTAGES

- **Fast set-up** – clamping fixture holds the valve without bolting
- **Traceable results** – every test logged with a certificate
- **Safe operation** – guarding, relief and interlocks on high-pressure circuits
- **One supplier** – pumps, boosters, controls and frame built in-house

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

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