

Nagman®

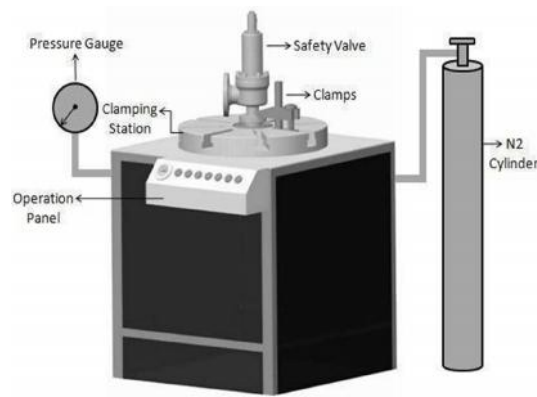
SAFETY VALVE TEST BENCH

NAG-SV50

Safety Valve Test Bench is a very easy, safe, accurate and **maintenance free** operating work shop test unit for Testing & Calibration of pressure/safety relief valve (spring operated) in the range of 0.5" to 8" (DN – 15 to 200 mm) according to the common international test standards.

Safety Valve Test Bench is designed to provide the operator with a maximum of easiness to calibrate the valves accurately.

As standard manufacture, the four way manual sliding clamps allow an appreciable gain of time but, on option, pneumatic or hydraulic Machined body/nozzle casting can be fitted on bench.



Unique - 4 claw clamping system, specially designed for quickly clamping all common types and sizes of safety valve **up to 8"**. The specific configuration of the piping, fitting, and control ensure a strong and dynamic lift reaction and accurate test result, high quality, stainless steel gauges measure and display in pressure in kg/cm^2 (g).

Clamping Type	Manual - 4 Jaw System
Max. Valve Test Pressure	230 bar
Tests Fluid Media	AIR/N2
No .of Clamp Jaws	4 Jaw System
Jaw Movement	5"/SIDE
Sealing system	Face Sealing
Clamping Style	Flange to Test port mtg plate
Reference Standard	API 527
Electric Supply for test Bench	Not required
Test Fluid Media	Nitrogen Gas
Valve end Flange Dimensions	As per ASME B 16.5
Type of Valves	Pressure Safety Valves
Type of tests	Pop test, Leak test, Back Pressure test, Hydro test, Test medium as Water or air
Valve Clamp Table - Manual	4 Jaw Zinc Plated, Manual Tightening with High Tensile Nut - Bolt System - Structural Frame with a T- Slot plate for manual Movement of Jaw and Support
Testing With Nitrogen (Direct from Bottle)	Pressure Regulator and Gauge will be provided on panel
Instrument Control Panel	Consists Nitrogen Regulator + Gauges, stainless Steel, precision regulated Needle Valve, Arrangement for mounting Test gauges, Arrangement for manual controlled valves/regulators for set pressure/leak tightness
Standard Test Gauges	Test Gauges : $\pm 0.5\%$ FSD, 160 mm Dial / GF / Bottom Connection/Bar -Range in Bar (0 - 10, 0 - 28, 0 - 60, 0 - 100, 0 - 160, 0 - 260 – S S PLATED)
Adaptor Plate with mounting Adaptors for Threaded type Inlet end connection Valves	Size : 1/2", 3/4", 1", 1 1/2" (M S PLATED)
Outer flanges suitable for	DN 15 / DN 20 / DN 25 / DN 40 / DN 50 / DN 80 / DN 100 / DN 150 / DN 200 (Specially designed C Leak Test Device – M S Plated)

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Tests that can be done :

- Pop Test
- Leak Test
- Back Pressure Test
- Hydro test
- Test medium as Water or air/N₂

Valve Sizes that can be tested :

- Screwed connection: ½", ¾", 1", 1½"
- Flange connection ½" to 8"

Valves Test Table & Control Panel

- Steel Construction, Valve mounting plate machined with eight/four equi-spaced grooves for easy movement of the clamping device. The control panel is located in the front of the table .A pressure gauge is fitted on the control panel to control the air supply.



Accessory Kits

- Screwed adaptor of size ½", ¾", 1", 1½" Male type
- O-ring gasket sets
- Pressure gauge - 6 Nos. with Traceable Certificate
- Plates for Back Pressure Test
- Leak Test Device
- Spanners for adjusting sliding clamps

Optional

Safety Valve Analyzer - Software

No Additional Accessories Needed for Safety Valve Testing

Manufactured by

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