

**SAFETY RELIEF VALVE TESTER**



**Brief History:**

Dunn's Valve Testers Inc have been manufacturing Valve Testers since 1978. We were the first to introduce valve testers and set the standard for all valve testing. We strive to maintain that level of Durability Value and Technology well into the future.

Our Valve Testers provide a method of accurately and speedily testing valves at a relatively low cost per unit and designed with the test operator in mind.

**MODEL – Key Features**

- All valves are clamped eliminating possible distortion, breakage or false tests
- Valves and Vessels with threaded connections are mounted into place using a threaded flange adaptor.
- Using quick dynamic of hydraulic accusation secures the valve on the uniquely designed table of pressure seals immediately, saving on setup and breakdown
- The compact design occupies a work area of less than 15 square feet
- Patented Hydraulic Clamp Arms and Stainless Seal Plate #xxx1038; xxx2227
- Safety Hydraulic Interlock to prevent loss of sealing force during test
- Regulated High Pressure Air Inlet for seal tightness test
- 3000 PSI Hydrostatic test capability

**BUILD SPECIFICATIONS**

Our Relief Valve Tester machines accurately lift relief valve disc and allows the valve to reseat without damage. Our machines come in varies sizes depending on the size of the valves and pressures to be applied.

- Valve Types – Gates ; Globes ; Plug ; Ball ; Butterfly
- End Connections – Flange ; Butt Weld ; RTJ ; RF ; S/E ; S/W ; WAFER

| RV TYPES   | VALVE RANGE                | TEST SYSTEM (PSI) | CLAMPING FORCE |
|--|----------------------------|-------------------|----------------|
| RV006  | 1/2" TO 12" ANSI 300 INLET | 3,000 AND UP      | 240,000 LBS    |
| RV011  | 1/2" TO 16" ANSI 600 INLET | 3,000 AND UP      | 340,000 LBS    |
| HEIGHT – 42" ; LENGTH – 60" ; TABLE HEIGHT – 33" |                            |                   |                |

**NOTE:** Each unit is adapted and built to specific client requirements from these base models

**Optional Extras Available** – NPT Threaded Adapter Set, Data Acquisition System, Rapid Recycle System, Safety Shield, High Pressure Storage (ASME & DOT), Regulated Air and Hydraulic System for filling, draining, venting and testing, up to 30,000 PSI test pressure can be added, Air Test, Auxiliary Port, Seat-Tightness and Back-Pressure test clamps, High Pressure Air compressor up to 6400 PSI, Higher Test Pressure Capability, Test System for Pilot Operated Valves

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**Standards** - All Dunn's Valve Testers are built to test valves in accordance with USA and International Standards – API 526 ; ANSI/API RP 576 ; API 520 & 527 ; API 6D

The heart of these efficient and durable systems is the test vessel connected to the hydraulic clamp seal plate that allows the operator to functionally test the safety relief valve with high volume test methods as required by the National Board of Boiler and Pressure Vessel Inspectors.

According to the National Board of Boiler and Pressure Vessel Inspectors – To preclude UNSAFE and UNSTABLE valve operations or erroneous performance test results, it is recommended that low volume testing equipment (e.g. gas cylinders without a test vessels, hand pumps, tubing etc) should be avoided. Also included in the code is the statement “The performance testing equipment shall include a pressure vessel of adequate size, volume and pressure source capacity to cause the disk to lift significantly (e.g. pop open) and reclose”. The code states “Valves marked for liquid service shall be tested with water or other suitable liquid”.

**Data Acquisition Module** – will provide a report certificate that is compliant with ISO 9000

**Delivery** – Approx. 10 to 14 work weeks

**Start Time** - based on payment terms being agreed and complete technical specifications.

**Guarantee** – All parts, machined parts for 12 months

**DVT Range of Testers** – Roll Frame; Control Valve; Vertical and Horizontal Press; Flange Tester; Portable Testers

