

MODEL 900 SAFETY RELIEF VALVE TESTING SYSTEM

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M900

Benefits

The Model 900 is the premier Safety Relief Valve (SRV) test system in the world. This system performs Safety Relief Valve set pressure tests. The unique "J" tube design allows for a free flow of air or water from the source to the SRV being tested, providing a cushion with air under the SRV seat to prevent seat damage during the setting of the SRV.

The Control Panel is uniquely designed 90 degrees from the clamp fixture to provide a safety partition between the operator and clamp table.

Standard Features – (Air Test Only)

- Ranges from 90 US ton (3-arm) or 120 US ton (4 arm hydraulic clamping force).
- Consist of one (1) fixed "O" ring Seal Plate, carbon steel, nickel plated for flanged valve standard and two additional "O" ring Seal Plates to cover valve sizes from 1/2" to 12".
- Nickel plated clamp arms (45°) one end and square opposite end.
- Air operated pump with 10,000 psi hydraulic clamp circuit.
- Top mounted 10,000 psi, Glycerin filled, pressure gauge (0.5% accuracy).
- Carbon steel hydraulic reservoir.
- Air filter and lubricator assembly.
- Hydraulic load chart.
- Safety Interlock
- **3,000** or **6,000** psi standard air and/or water test system on one clamping fixture.
- "J" tube, stainless steel line from the test vessel to the test table.
- Stainless steel full port manual isolation ball valve.
- **3,000** psi or **6,000** psi Precision Digital Test Gauge, gauge stores maximum values.
- Gauge calibration port.
- Clamp Frames and legs to be carbon steel powder coated.
- Clamp Frames to have holes for anchor bolts.
- Skid mounted for portability.
- Panel instrumentation labeled.
- All Installations, operations and maintenance manual included

Options

- **OPTION TO UPGRADE FOR WATER TESTING** – 3,000 psi or 6,000 psi ASME Phenoliccoated test vessel
- **AIR SOURCE OPTIONS** – 3,000 psi or 6,000 psi compressor or high pressure gas booster with DOT BOTTLE ASSEMBLY
- **LEXAN SAFETY SHIELD** between clamp fixture and control console.
- **CLAMP ARMS** (set of 3 or 4) 20 or 30 degree one end and square opposite end.
- **MALE SEAL PLATES ADAPTERS** and **FEMALE SEAL PLATES ADAPTERS**
- **API-527, SEAT LEAKAGE FIXTURE**
- **DATA ACQUISITION SYSTEM**
- **PILOT VALVE CIRCUIT**
- **VACUUM CIRCUIT WITHOUT ADAPTERS**, 0 to -29.5 in Hg./ 0.7 psi/ -14 psig.
- **VACUUM CIRCUIT WITH ADAPTERS**, 0 to -29.5 in Hg./ 0.7 psi/ -14 psig.
Six (6) adapters (2", 4", 6", 8", 10" and 12") included.
- **ADDITIONAL VACUUM TEST CIRCUIT ADAPTERS** (14", 16", 18", 20" and 24").
- **MUFFLER/SILENCER** Model SV-3000 for air/gas or SV-5000 for air/water SRV testing.



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World Headquarters

2712 E. Second Street
Newberg, Oregon 97132 USA
Worldwide Telephone: 1.503.538.2185
N. America Toll-Free: 1.800.333.8311
Fax: 1.503.538.7600
Email: info@cpmt.com

European Headquarters

Am Langen Graben 8
52353 Düren, Germany
Telephone: (+49) (0) 2421.9177.0
Fax: (+49) (0) 2421.9177.29
Email: info@cpmt.de