

ROBUST. EASY TO USE. STATE OF THE ART.

The CALDER **SAFETY RELIEF VALVE TESTER | SRV** can perform safety relief valve tests with unsurpassed quality and ease of use.



ROBUST

Every component in the SRV pressure circuit is OEM-certified to the maximum specified testing pressure of the system for increased quality, durability and safety.

Heavy-duty console walls are built with 12-gauge steel to protect internal components from damage, making this tester rugged and durable for long life and reliable operation in industrial environments.

CE and CSA certified and available world-wide! All CALDER products are available for sale world-wide, including in the European Union and other locations where CE or CSA certification is required.

Safety Interlock system with test pressure sensing components that will not release the clamp pressure until the test pressure drain valve is opened and internal test pressure is released.

ISO 9001 certified manufacturing ensures all

CALDER products are manufactured to the highest quality standards.

Standard 2-year warranty is the longest in the industry! We're confident in our quality, and we back it up! And – ask us how to extend your warranty out to 5 years . . .

EASY TO USE

Hydraulic clamping control panel is conveniently located at the clamp fixture for quick and secure valve positioning and clamping.

Test control panel location provides a splash shield between the operator and the clamp table.

Viewing window allows observation of the valve during the testing process.

Intuitive control panel layout makes performing a test procedure efficient and easy for the operator.

Extensive operating manual contains easy to

follow tips and includes step-by-step set up instructions for various valve testing operations.

Only shop air needed for clamping and interlock functionality.

STATE OF THE ART

Unique J-tube design allows for free flow of air or water from the source to the valve being tested providing a cushion of air or water under the valve seat to reduce seat damage.

Test vessel option provides quick water fill and pressurization which allows the operator to test valves faster.

Nickel plated and stainless steel seal plates provide durable corrosion resistance.

Quick-connect test pressure gauges can be removed easily to calibrate or change out gauges quickly.

WHY CHOOSE CALDER!

- Ⓒ The modular, highly configurable and field-upgradable design of the new CALDER tester platform is the most flexible and cost-effective way to manage all your valve testing requirements. It can grow and evolve your business
- Ⓒ The new CALDER test systems are designed to be more accurate and precise than other comparable products
- Ⓒ Unique to the valve testing industry, every CALDER component is OEM certified to the maximum pressure specification of the system, for enhanced safety, quality and durability
- Ⓒ CALDER offers users the ability to simultaneously test multiple valves with one system
- Ⓒ Unmatched in the industry, all CALDER systems are backed by a 2 year warranty
- Ⓒ CALDER has global reach and local support through CLIMAX's vast world-wide network
- Ⓒ CALDER offers a complete line of Valve Repair Machines for lapping, grinding and specialized valve machining operations
- Ⓒ CALDER offers a full portfolio of Test Barriers and Hydraulic Seal Clamps among other products
- Ⓒ CALDER offers SMARTEST™ intelligent data acquisition, analysis and control systems for use with our testers
- Ⓒ Custom turn-key system design services from the most experienced engineers and valve test experts in the business
- Ⓒ Outrageously good customer service. We are available 24/7!
- Ⓒ End-to-End Solutions; from products, consulting, engineering, custom design, training, start-up, after-sale service, spare parts, repair, and rentals, CALDER offers unmatched value in our industry
- Ⓒ All CALDER products are CE certified and manufactured in our ISO 9001 certified factory
- Ⓒ All CALDER products are proudly made in the USA

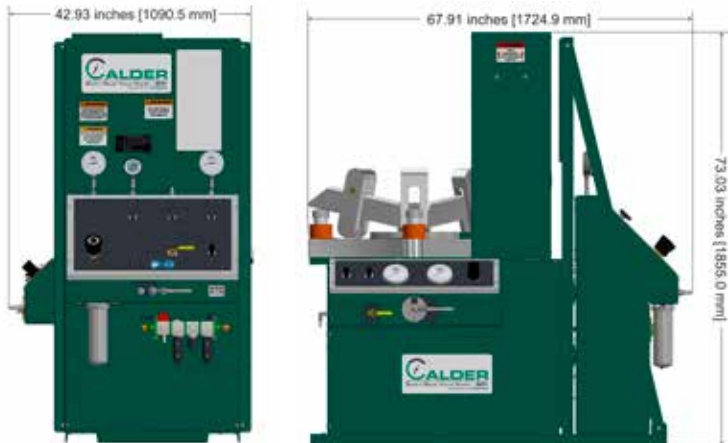


SPECIFICATIONS

SRV-3K					
Valve Coverage (Flat / Raised Face Flanges)	Valve Size (nominal)	Maximum Test Pressure PSI (Bar)			
	Inch (mm)	600 PSI (41 Bar)	1000 PSI (69 Bar)	2000 PSI (138 Bar)	2700 PSI (186 Bar)
	.75 (19.1)	√	√	√	√
	1 (25.4)	√	√	√	√
	1.5 (38.1)	√	√	√	√
	2 (50.8)	√	√	√	√
	3 (76.2)	√	√	√	√
	4 (101.6)	√	√	√	√
	6 (152.4)	√	√	√	
	8 (203.2)	√	√		
	10 (254)	√	√		
	12 (304.8)	√	√		
Specifications	Hydraulic Clamping: 90 tons (81.6 tonnes)				
	Approximate overall dimensions: 65 L x 41 W x 73 H inches (1651 L x 1041.4 W x 1854.2 H mm)				
	Approximate machine weight: 2,500 lbs (1,134 kgs)				
	Approximate shipped weight: 3,000 lbs (1,361 kgs)				

SRV-6K							
Valve Coverage (Flat / Raised Face Flanges)	Valve Size (nominal)	Maximum Test Pressure PSI (Bar)					
	Inch (mm)	600 PSI (41 Bar)	1000 PSI (69 Bar)	2000 PSI (138 Bar)	3000 PSI (207 Bar)	5000 PSI (345 Bar)	5400 PSI (372 Bar)
	.75 (19.1)	√	√	√	√	√	√
	1 (25.4)	√	√	√	√	√	√
	1.5 (38.1)	√	√	√	√	√	√
	2 (50.8)	√	√	√	√	√	√
	3 (76.2)	√	√	√	√	√	√
	4 (101.6)	√	√	√	√	√	
	6 (152.4)	√	√	√			
	8 (203.2)	√	√				
	10 (254)	√	√				
	12 (304.8)	√	√				
Specifications	Hydraulic Clamping: 90 tons (81.6 tonnes)						
	Approximate overall dimensions: 65 L x 41 W x 73 H inches (1651 L x 1041.4 W x 1854.2 H mm)						
	Approximate machine weight: 2,500 lbs (1,134 kgs)						
	Approximate shipped weight: 3,000 lbs (1,361 kgs)						

Power required: Shop compressed air, 40 SCFM at 10 - 150 PSI (6.9 - 10.3 bar). Water supply, 30 - 70 psi (2.1 - 4.8 bar) - for vessel option only



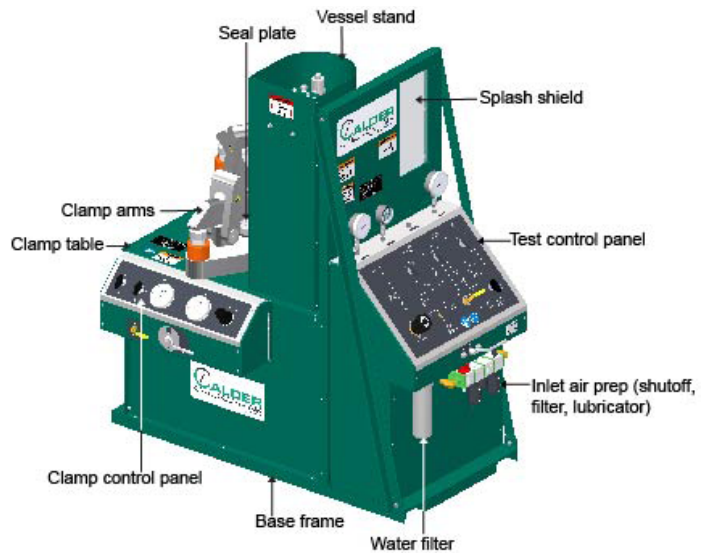
All dimensions should be considered reference. Contact your Calder Representative for precision dimensions. Specifications are subject to change without notice. There are no systems or components on this machine that are capable of producing hazardous EMC, UV or other radiation hazards. The machine does not use lasers nor does it create hazardous materials such as gasses or dust.

SRV CONFIGURATIONS



To configure your **SAFETY RELIEF VALVE TESTER** simply select from the options you need then contact your CALDER representative.

The **SAFETY RELIEF VALVE TESTER** comes standard with 10,000 PSI (679 bar) rated hydraulic clamping components and plumbing, air-operated hydraulic pump rated to 10,700 PSI (738 bar) preset to 9850 PSI (679 bar), safety interlock system, stainless steel seal plate, analog clamp and test pressure gauges, digital test pressure gauge, hydraulic reservoir, air regulator kit, splash shield, hydraulic clamping chart and operator's manual.



SAFETY RELIEF VALVE TESTER

Model	Part Number	Vessel*	No-Vessel
SRV-3K Non-CE	88845	√	
	88846		√
SRV-3K CE	90937	√	
	90938		√
SRV-3K CSA	call your sales representative for details		
SRV-6K Non-CE	88405	√	
	88406		√
SRV-6K CE	90939	√	
	90940		√
SRV-6K CSA	call your sales representative for details		

*Test vessel: ASME phenolic coated, 3,000 PSI (206 bar) or 6,000 PSI (413 bar) for water testing. Vessel includes, relief valve, pressure gauge, and assorted fittings / valves

Gas Compressors*

5,000 PSI (345 bar), 7.5 HP, 460 v, 3 phase, 60 Hz	89763
6,000 PSI (414 bar), 7.5 HP, 480 v, 3 phase, 60 Hz	88412

Hydraulic Clamp Arms (sets of 3)

End type 45° / end type 60°	88852
End type 30° / end type 60°	88853
End type 20° / end type 60°	88854



Adapter O-ring Seal Plates for Flanged SRV's

Valve size - .75 & 2 inches (19.1 & 50.8 mm)	88569
Valve size - 1 inch (25.4 mm)	88570



Adapter Seal Plates for Flanged SRV

Accessories for use with SAFETY RELIEF VALVE TESTER

DOT Bottle Assembly

2,700 PSI (186 bar), max supply pressure	82488
5,400 PSI (372 bar), max supply pressure	85758



Leak Detection Fixture (API 527 Compliant)

Nominal valve size range 2 - 2.5 (50.8 - 63.5 mm)	89051
Nominal valve size range 3 - 3.5 (76.2 - 88.9 mm)	89065
Nominal valve size range 4 - 5 (101.6 - 127 mm)	89066
Nominal valve size range 6 - 8 (152.4 - 203.2 mm)	89067
Nominal valve size range 10 - 12 (254 - 304.8 mm)	89068



Leak Detection Fixture

Adapter Seal Plates for NPT SRV's (6,000 PSI / 413 bar maximum pressure)*

Thread	NPTM Part Number	NPTF Part Number
.5 inch (12.7 mm)	89646	89639
.75 inch (19.1 mm)	89648	89640
1 inch (25.4 mm)	89649	89641
1.5 inches (38.1 mm)	89650	89642
2 inches (50.8 mm)	89651	89643
3 inches (76.2 mm)	89652	89644



Adapter Seal Plates for NPT SRV

*Other compressors, gas boosters and seal plates are available upon request - call your sales representative for more information.

CALDER VALVE INSTITUTE AND CARE PROGRAM

CALDER VALVE INSTITUTE™

CALDER has been teaching the fundamentals and fine points of valve testing operation for as long as we've been inventing and building the systems. CALDER VALVE INSTITUTE™ offers:

- Training Institutes in Portland OR, Houston TX, Manchester UK, Düren Germany, and Dubai UAE, among others
- Safety training
- Machine set up and operation
- Technical tips and tools to improve operational performance and efficiency
- Hands on training and valve testing skill development

Whether it's a regularly scheduled course at one of our CALDER Institutes, or a custom curriculum conducted at your facility, your valve test operators will benefit from courses developed by the most experienced and respected professionals in the business.



CALDER CARE PROGRAM

Preventative maintenance and service package includes:

- Parts Replacement Guarantee – All parts replaced for the term of the package
- Technical Assistance by Phone – A CALDER CARE Hotline for 24/7 US-based expert advice from repair professionals
- On-Site Preventive Maintenance – Yearly PM visit by a Certified CALDER Service Technician
- Extended Warranty Coverage – CALDER is the only company in our industry with a standard 2 year warranty and offering extended warranty programs out to 5 years!

Call CALDER for:

RENTALS

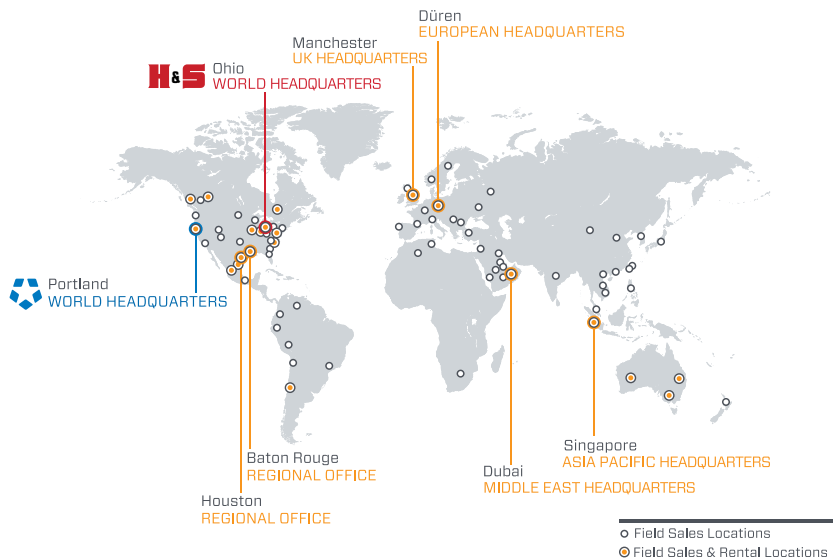
On selected models. With 20+ worldwide rental depot locations, you are never far away from a CALDER system.

ON-SITE TRAINING

If you need training or on-site consultation, we're famous for it!

CUSTOM PROJECTS

Custom turn-key system design services from the most experienced engineers and valve test experts in the business!



Connect with us:    

CLIMAX World Headquarters - USA

Address: 2712 E. 2nd St., Newberg, Oregon 97132
Tel: +1 503 538 2185
Fax: +1 503 538 7600
Email: info@cpmt.com

H&S World Headquarters - USA

Address: 715 Weber Dr., Wadsworth, Ohio 44281
Tel: +1 330 336 4550
Fax: +1 503 538 7600
Email: info@hstool.com

Asia Pacific Headquarters

Address: 308 Tanglin Rd #02-01, Singapore 247974
Tel: +65 6801 0662
Fax: +65 6801 0699
Email: ClimaxAsia@cpmt.com

European Headquarters

Address: Am Langen Graben 8, 52353 Düren, Germany
Tel: (+49) (0) 2421 9177 0
Fax: (+49) (0) 2421 9177 29
Email: ClimaxEurope@cpmt.com

Middle East Headquarters

Address: Warehouse #5, Plot: 369 272, Um Sequim Road, Dubai, UAE
Tel: +971 4 321 0328
Email: ClimaxUAE@cpmt.com

United Kingdom Headquarters

Address: Unit 7 Castlehill Industrial Estate, Bredbury Industrial Park, Horsfield Way, Stockport SK6 2SU
Tel: +44 (0) 161 406 1720
Email: info@cpmt.com

Copyright © 2018 CLIMAX All Rights Reserved. CLIMAX has taken reasonable measures to ensure the accuracy of the information contained in this document. However, CLIMAX makes no warranties or representations with respect to the information contained herein; and CLIMAX shall not be held liable for damages resulting from any errors or omissions herein, or from the use of the information contained in this document.

