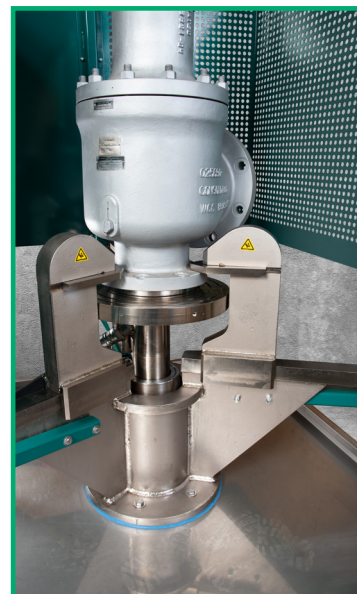


ROBUST, EASY TO USE, MODULAR AND CONFIGURABLE

The CALDER QUICKSET™ safety relief valve tester can perform pressure relief valve tests with unsurpassed quality and ease of use.



STATE OF THE ART

Configurable pressure vessel options are available for different test vessel sizes. With various size seal plate inlets available and an unmatched range of standard accessories, operators can customize and upgrade the system as the scope of work changes.

Unique high flow design allows for free flow of air or water from the vessel to the valve being tested, providing a cushion of air or water under the valve seat to reduce seat damage and improve process reliability.

Corrosion-resistant clamp provides durable clamping while ensuring less maintenance in the future, providing the longevity and uptime of the machine.

SmarTest™ intelligent data acquisition system (DAAS) digitally indicates while recording tests for both seat leakage and set pressure providing auto pass / fail with the software & integrated digital bubble counter according to most industrial standards, including API 527.

EASY TO USE

Hydraulic clamping with configurable tonnage and size options, conveniently located next to the clamp fixture for quick and secure valve positioning, designed to expedite testing times.

Test control panel separated by a splash shield mitigates operator risk.

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, reducing overall testing times.

Safety light indicating system ensures the operator holds the pressure enabling button when increasing pressure.

Extensive operating manual contains easy-to-follow tips and includes step-by-step setup instructions for various valve testing operations.

Only shop air is required for clamping and interlock functionality. Interlock system runs independently without PC and software reliance.

ROBUST

Robust skid mounted frame providing mobility and can be transported easily or fit in a container or mobile workshop trailer.

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

CE and CSA certified and available worldwide! All CALDER products are available for sale worldwide, 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 9001:2015 certified manufacturing ensures all CALDER products are manufactured to the highest quality standards.

Industry leading standard 2-year warranty with an option to purchase an extended warranty out to 5 years.

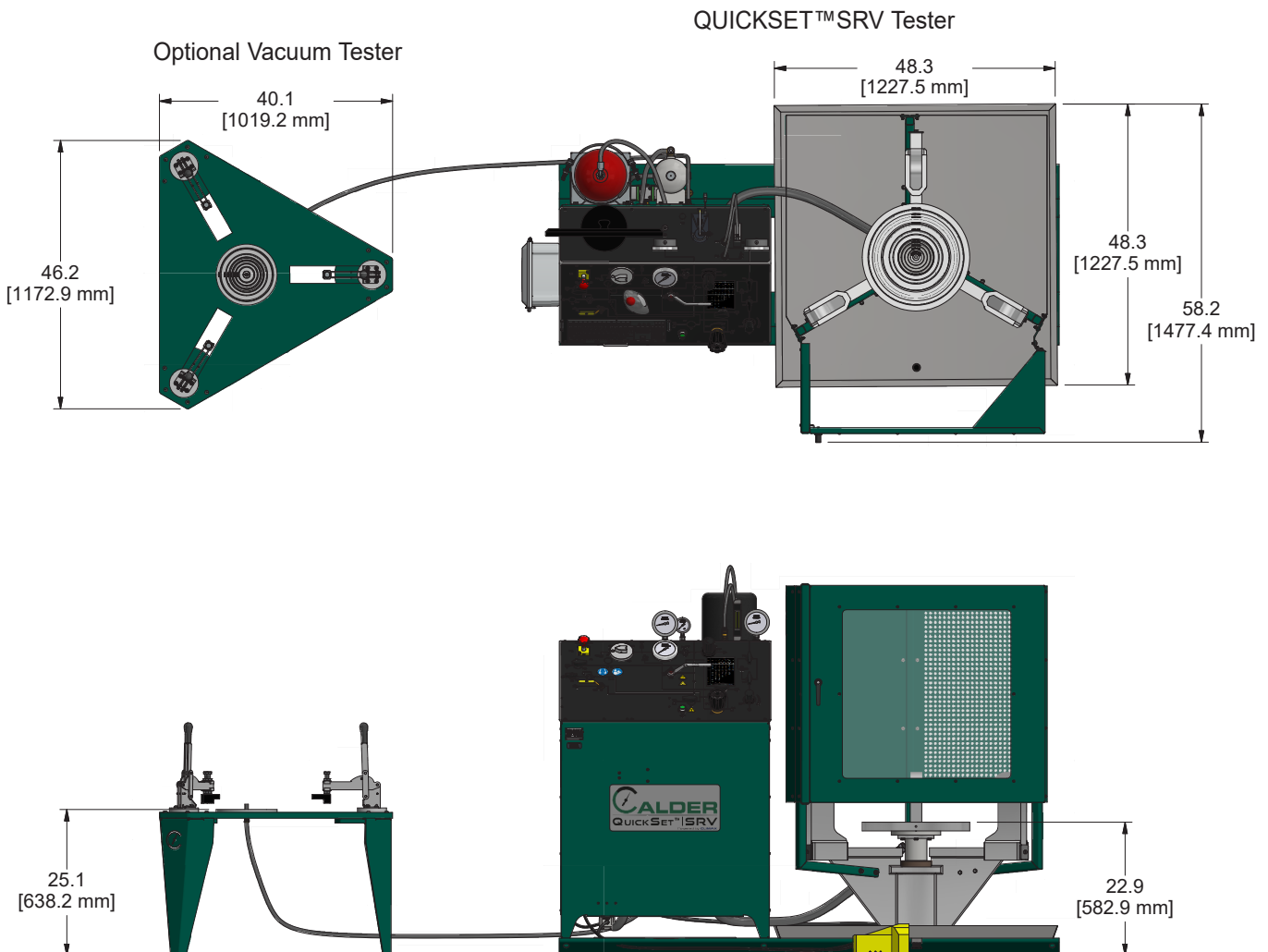
WHY CHOOSE CALDER!



- ⌚ 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



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.

SPECIFICATIONS



| QUICKSET™ Safety Relief Valve 30T Clamp | | | | | | | | |
|---|------|----------------------------------|--------------------------|-----------|------------|------------|------------|---|
| Valve Size (Nominal) | | ANSI Class | | | | | | |
| | | 150 | 300 | 600 | 900 | 1500 | 2500 | |
| | | Maximum Test Pressure PSI (Bar)* | | | | | | |
| | | 250 (17) | 475 (33) | 1075 (74) | 1800 (124) | 3300 (228) | 5950 (410) | |
| Valve Coverage (Flat / Raised Face Flanges) | Inch | mm | Clamp Fixture Capability | | | | | |
| | .5 | 13 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | .75 | 19 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1 | 25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1.5 | 38 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2 | 51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 3 | 76 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | 4 | 102 | ✓ | ✓ | ✓ | ✓ | | |
| | 5 | 127 | ✓ | ✓ | ✓ | | | |
| | 6 | 152 | ✓ | ✓ | | | | |
| | 8 | 203 | ✓ | ✓ | | | | |
| | 10 | 254 | ✓ | | | | | |
| | 12 | 305 | ✓ | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Specifications

Hydraulic clamping: 30 tons (27 tonnes)

Approximate overall dimensions (At transporting height): 96 in. L x 68 in. W x 79 in. H (2438 mm L x 1727 mm W x 2007 mm H)

Approximate machine weight: 2,500 lbs (1134 kgs)

Approximate shipped weight: 2,900 lbs (1315 kgs)

*THE OPERATOR IS RESPONSIBLE TO SELECT THE ACTUAL TEST PRESSURE THAT IS REQUIRED FOR THE VALVE UNDER THE TEST. SEE OPERATING MANUAL.

| QUICKSET™ Safety Relief Valve 40T Clamp | | | | | | | | |
|---|------|----------------------------------|--------------------------|-----------|------------|------------|------------|---|
| Valve Size (Nominal) | | ANSI Class | | | | | | |
| | | 150 | 300 | 600 | 900 | 1500 | 2500 | |
| | | Maximum Test Pressure PSI (Bar)* | | | | | | |
| | | 250 (17) | 475 (33) | 1075 (74) | 1800 (124) | 3300 (228) | 5950 (410) | |
| Valve Coverage (Flat / Raised Face Flanges) | Inch | mm | Clamp Fixture Capability | | | | | |
| | .5 | 13 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | .75 | 19 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1 | 25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1.5 | 38 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2 | 51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 3 | 76 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | 4 | 102 | ✓ | ✓ | ✓ | ✓ | | |
| | 5 | 127 | ✓ | ✓ | ✓ | ✓ | | |
| | 6 | 152 | ✓ | ✓ | ✓ | | | |
| | 8 | 203 | ✓ | ✓ | | | | |
| | 10 | 254 | ✓ | | | | | |
| | 12 | 305 | ✓ | | | | | |
| | 14 | 356 | ✓ | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Specifications

Hydraulic clamping: 40 tons (36 tonnes)

Approximate overall dimensions (At transporting height): 96 in. L x 68 in. W x 79 in. H (2438 mm L x 1727 mm W x 2007 mm H)

Approximate machine weight: 2,560 lbs (1161 kgs)

Approximate shipped weight: 2,960 lbs (1343 kgs)

*THE OPERATOR IS RESPONSIBLE TO SELECT THE ACTUAL TEST PRESSURE THAT IS REQUIRED FOR THE VALVE UNDER THE TEST. SEE OPERATING MANUAL.

| QUICKSET™ Safety Relief Valve 60T Clamp | | | | | | | | |
|---|------|----------------------------------|--------------------------|-----------|------------|------------|------------|---|
| Valve Size (Nominal) | | ANSI Class | | | | | | |
| | | 150 | 300 | 600 | 900 | 1500 | 2500 | |
| | | Maximum Test Pressure PSI (Bar)* | | | | | | |
| | | 250 (17) | 475 (33) | 1075 (74) | 1800 (124) | 3300 (228) | 5950 (410) | |
| Valve Coverage (Flat / Raised Face Flanges) | Inch | mm | Clamp Fixture Capability | | | | | |
| | .5 | 13 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | .75 | 19 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1 | 25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1.5 | 38 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2 | 51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 3 | 76 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 4 | 102 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | 5 | 127 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | 6 | 152 | ✓ | ✓ | ✓ | ✓ | | |
| | 8 | 203 | ✓ | ✓ | ✓ | | | |
| | 10 | 254 | ✓ | ✓ | | | | |
| | 12 | 305 | ✓ | ✓ | | | | |
| | 14 | 356 | ✓ | | | | | |
| 16 | 406 | ✓ | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Specifications

Hydraulic clamping: 60 tons (54 tonnes)

Approximate overall dimensions (At transporting height): 96 in. L x 68 in. W x 79 in. H (2438 mm L x 1727 mm W x 2007 mm H)

Approximate machine weight: 2,530 lbs (1148 kgs)

Approximate shipped weight: 2,930 lbs (1329 kgs)

*THE OPERATOR IS RESPONSIBLE TO SELECT THE ACTUAL TEST PRESSURE THAT IS REQUIRED FOR THE VALVE UNDER THE TEST. SEE OPERATING MANUAL.

| Test Pressure PSI (Optional Vacuum Tester) | | | | | | | | | | | | | | |
|--|-----|----------------------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Valve Size (Nominal) | | Maximum Test Pressure PSI (Bar)* | | | | | | | | | | | | |
| | | 5 (0.3) | 15 (1) | 25 (1.7) | 35 (2.4) | 45 (3.1) | 55 (3.8) | 65 (4.5) | 75 (5.1) | 85 (5.9) | 95 (6.6) | 105 (7.3) | 115 (7.9) | 125 (8.6) |
| | | Clamp Fixture Capability | | | | | | | | | | | | |
| .5 | 13 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| .75 | 19 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 1 | 25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 1.5 | 38 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2 | 51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 3 | 76 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 4 | 102 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 5 | 127 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 6 | 152 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 8 | 203 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | |
| 10 | 254 | ✓ | ✓ | ✓ | | | | | | | | | | |
| 12 | 305 | ✓ | ✓ | | | | | | | | | | | |
| 14 | 356 | ✓ | ✓ | | | | | | | | | | | |
| 16 | 406 | ✓ | | | | | | | | | | | | |
| 18 | 457 | ✓ | | | | | | | | | | | | |
| 20 | 508 | ✓ | | | | | | | | | | | | |
| 24 | 610 | ✓ | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Specifications

Approximate overall dimensions (At transporting height): 56 in. L x 48 in. W x 50 in. H (1422 mm L x 1219 mm W x 1270 mm H)

Approximate machine weight: 400 lbs (181 kgs)

Approximate shipped weight: 750 lbs (340 kgs)

*THE OPERATOR IS RESPONSIBLE TO SELECT THE ACTUAL TEST PRESSURE THAT IS REQUIRED FOR THE VALVE UNDER THE TEST. SEE OPERATING MANUAL.

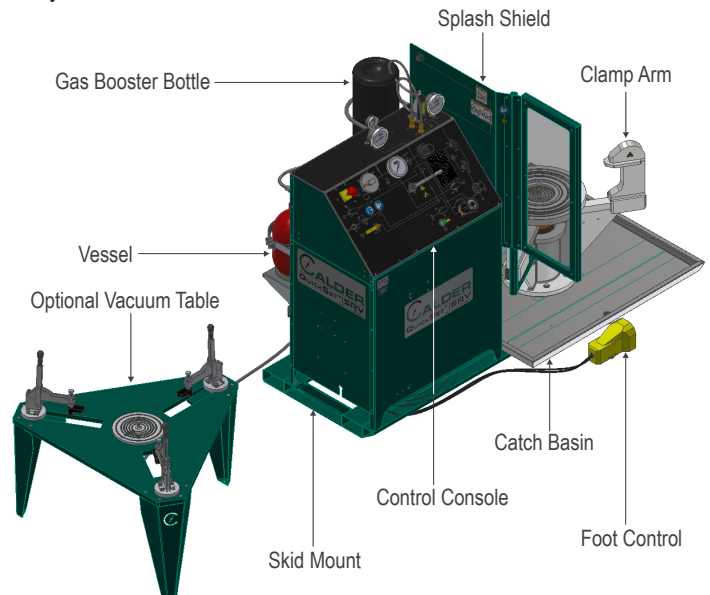
QUICKSET SRV CONFIGURATIONS



The modular, highly configurable, and field-upgradable design of the CALDER QUICKSET™ platform is the most flexible and cost-effective way to manage all your Safety Relief Valve testing requirements. With a full range of standard accessories and field upgrades available, It can grow and evolve with your business.

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

The QUICKSET™ comes standard with 6,000 PSI (413 bar) rated air-operated hydraulic pump, clamping components and plumbing, interlock system, nickel plated steel seal plate, analog clamp gauge and digital test pressure gauge, hydraulic reservoir, splash shield, hydraulic clamping chart and operator's manual.



| Options | Part Number |
|--|-------------|
| 1. SRV Console | |
| 1 gal (3.79 ltr) vessel, 3/4 in. (19 mm) hose | 98204 |
| 1 gal (3.79 ltr) vessel, 1 in. (25.4 mm) hose | 98205 |
| 2.5 gal (9.46 ltr) vessel, 3/4 in. (19 mm) hose | 98206 |
| 2.5 gal (9.46 ltr) vessel, 1 in. (25.4 mm) hose | 98207 |
| 5 gal (18.9 ltr) vessel, 3/4 in. (19 mm) hose | 98208 |
| 5 gal (18.9 ltr) vessel, 1 in. (25.4 mm) hose | 98209 |
| 2. Clamps Frame | |
| 10 in. (254 mm) 30 tons (27 tonnes) | 98196 |
| 12 in. (254 mm) 30 tons (27 tonnes) | 98197 |
| 14 in. (254 mm) 40 tons (36 tonnes) | 98198 |
| 16 in. (254 mm) 60 tons (54 tonnes) | 98199 |
| 3. Splash Shield | |
| Splash shield | 98714 |
| Splash shield, 360° Enclosure | 98184 |
| 4. Gauges | |
| Analog gauge 6 KSI | 98778 |
| Digital gauge 6 KSI | 98185 |
| 5. SMARTEST™ DAAS (Data Acquisition and Analysis System) | |
| Next Gen DAAS with digital bubble counter | 98187 |
| 6. Pressure Transducer Kit for SMARTEST™ DAAS (0.5% 4-20 MA output 2.5M cord 1/4 NPTM PORT) | |
| -15 to 0 PSI | 99920 |
| -15 to 150 PSI | 99917 |
| 2000 PSI | 99907 |
| 7500 PSI | 99906 |
| 7. Gas Over Water | |
| Gas over water | 98181 |
| 8. Skid Mount | |
| RH Mounting skid | 98182 |
| LH Mounting skid | 98189 |

| | |
|---|-------|
| 9. Internal Gas Booster | |
| 6 KSI Spent bottle inlet (dew point of -40°, quality class 3) | 98183 |
| 6 KSI Shop air inlet (dew point of -40°, quality class 3) | 99919 |
| 10. Foot Pedal | |
| Foot pedal clamp control | 98191 |
| 11. NPT Adapters | |
| NPT Adapter set 1/2, 3/4, 1, 1-1/2, & 2 in. (12.7, 19, 25.4, 38.1, & 50.8 mm) | 98186 |
| 12. Vacuum Tester | |
| Vacuum tester 24 in. (610 mm), -7 to 100 PSI | 98179 |
| 13. 7.5 HP Air Compressor, 6000 PSI and Tank, 23.8 gal (108 ltr) | |
| 230 V, 1-Phase, 60 hz | 98180 |
| 230 V, 3-Phase, 60 hz | 98274 |
| 230 V, 3-Phase, 50 hz | 98277 |
| 480 V, 3-Phase, 60 hz | 98276 |
| 415 V, 3-Phase, 50 hz | 98278 |
| 575 V, 3-Phase, 60 hz | 98357 |
| 14. Packaging | |
| Ecorrcrate | |
| SRV | 98729 |
| Vacuum Tester | 99282 |
| Wooden crate <i>(recommended for international shipping)</i> | |
| SRV | 98190 |
| Vacuum Tester | 99271 |

GET THE MOST OUT OF YOUR VALVE TESTER



CALDER Safety Relief Valve Testing also available in the below setup or machines:



QUICKSET™ XL HIGH FLOW TESTER

For high flow testing, the QUICKSET™ XL can be selected. The Unique higher flow design allows for free flow of air or water from the vessel to the valve being tested in high volume, providing a cushion of air or water under the valve seat to reduce seat damage and improve process reliability. With various seal plate inlets available, including 2 or 3 inches, and vessel sizes available up to or exceeding 100 gallons or 400L upon request.



TURN-AROUND-TESTER™

Designed for easy transportation to job sites making it ideal for valve servicing companies or plant turnarounds, eliminating the need for taking valves back to the shop. The self-contained flanged valve testing system allows the operator to perform gas or gas over water valve testing in a non-traditional environment. Capable of hydrostatic tests up to 6,000 psi and low-pressure air tests up to 125 psi. Complete with clamp fixture and control console, the Turn-Around-Tester™ is a one-stop shop for valve testing on-site.



MOBILE VALVE WORKSHOP

The Mobile Valve Workshop containers are customizable and configurable - designed specifically to meet the most complex valve testing and repair challenges. With multiple portable container sizes available, the CALDER Mobile Valve Workshop can meet your "impossible" challenge head-on and anywhere..



CONTROL VALVE COMBO TESTER

The combination valve tester (CVT) family will support safety relief valves with flanges from 0.5 to 12 inches (12.7 to 304.8 mm) and control valves from 2 to 12 inches (50.8 - 304.8 mm). The patent-pending pressure-sensing safety interlock prevents releasing the valve while under test pressure. This universal platform will test gas valves up to 5,400 psi (372 bar) and hydrostatically test control valves up to 9,700 psi (669 bar). When paired with the HydroPro™ console and a SmarTest™ system the operator will have the ability to support a wide range of applications throughout their facility.



PILOT VALVE TESTER

The CALDER standalone PROSET Pilot Valve Tester tests both modulating and snap-acting pilots within a wide range of pressures, from 15 to 6000psi, and features a generous, oversized dome volume for simulation of the main valve. Information is displayed on your choice of analog gauges with quick disconnects. Our optional data acquisition system can also produce, and wirelessly deliver, traceable reports to your internal network. A standard "system under pressure" light, splash shield, and sloped drainage tray keep the operator and work area clean and safe.



COMBINED ALL VALVE TESTER

The COMBINED ALL VALVE TESTER (CAV) provides an ALL-IN-ONE Valve testing solution for PSVs, Shutoff Valves, and Control Valves. The vertical clamp station design provides a fast, adaptable setup and clamping of many types of valves. The machine can be equipped with liquid and gas test circuits providing a flexible solution for multi-discipline valve workshops. Additional accessories for leak measurement and digital certificate generation make this machine an ideal choice for small to medium service providers.

CALDER VALVE INSTITUTE AND CARE PROGRAM

The Right Training by the Right People!

Our engineers and valve test experts have been teaching the fundamentals and fine points of valve testing operation for as long as we've been inventing and building advanced valve testing systems.

Professional, Experienced Instructors

All training programs are taught by our professional and experienced OEM CALDER trainers. Your instructor will provide valuable information on operator safety, valve test system set-up, operation, and how to keep your valve tester in top operating condition.

Sign up today for training at one of our seven Global CLIMAX | CALDER training centers.

- Portland, Oregon
- Houston, Texas
- Baton Rouge, Louisiana
- Cleveland, Ohio
- Manchester, United Kingdom
- Düren, Germany
- Dubai, United Arab Emirates



CALDER CARE PROGRAM

Preventative maintenance and service package includes:

- ✓ Parts Replacement Guarantee – All parts replaced for the term of the package
- ✓ On-Site Preventive Maintenance – Yearly PM visit by a Certified CALDER Service Technician
- ✓ Technical Assistance by Phone – A CALDER CARE Hotline for 24/7 US-based expert advice from repair professionals
- ✓ 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 CLIMAX | CALDER for:

RENTALS

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

OEM TRAINING

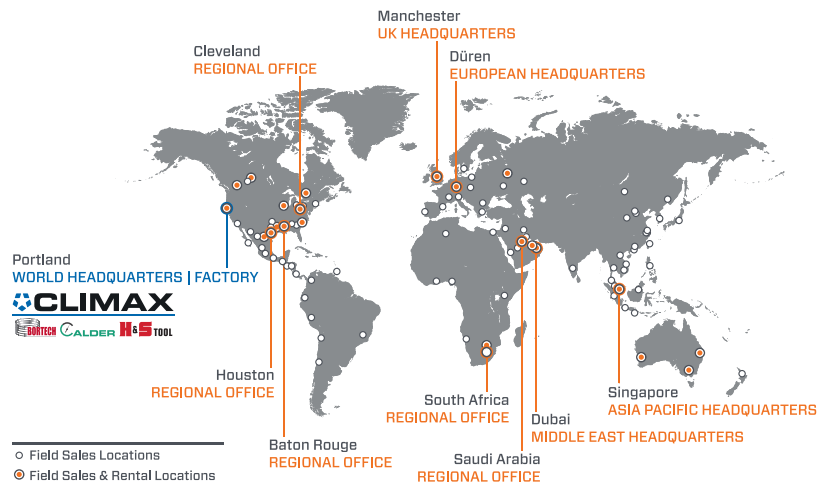
If you need training or on-site consultation, we're famous for it!

SPARES, REPAIR & MAINTENANCE

Call us for anything you need to keep your system running in top condition.

CUSTOM PROJECTS

Custom turn-key system design services from the most experienced engineers in the business!



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