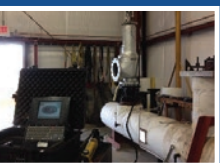




Auxiliary Lift Assist Testing

There will be added costs and downtime during shutdowns if your safety valves need to be removed and sent in for repair. TRIVACO's lift assist devices attach to the stem of the valve and lift with hydraulic assistance. A minimum of 50% (operating pressure) of setpoint is required to test. Using this method can verify set pressure and seat tightness without removing the valve and not shocking the system by popping the valve.



Bottle Gas Test for Spring and Pilot Relief Valves

Safety valve must have isolation valve and test port located under the inlet of the safety valve. This method allows verification of setpoint and seat tightness on small, portable relief valves.

- Direct Acting
- Pilot Operated (No size limit; however, bottle-testing does not test the operation of the main valve)



Corporate Office

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Hebron, KY 41048
T 859 525 9890
F 859 525 9891

TRIVACO – TFS Division

8091 Production Drive
Florence, KY 41042-3046
T 859 525 9890

TRIVACO – TSV Division

6833 Industry Drive
Indianapolis, IN 46219
T 317 356 2000

TRIVACO – TSE Division

146 Bluffs Court
Canton, GA 30114
T 770 479 4700

TRIVACO – Oil & Gas Service Division

126 McColloch Street
Wheeling, WV 26003
T 888 463 7897

www.trivaco.com

sales@trivaco.com

*For additional information on pressure relief devices or to setup an appointment to discuss your plant needs please **contact your local representative** or visit www.trivaco.com*



TRIVACO Safety Valves



CAPABILITIES BY LOCATION

INDIANAPOLIS, IN (VR Certificate #742)
6833 Industry Drive | Indianapolis, IN 46219

Kunkle Valve Assembler & Distributor

- Stock: ½" Npt up to 6" x R x 8" (Brass, Steel, Stainless and Cast Iron)
- 650 PSIG Steam Generator (Up to 1,240 PSIG with Auxiliary Lift Assist devices)
- Air/Gas & Liquid testing & setting up to 6,000 PSIG (10,000 PSIG with Lift Assist; valve specific requirements)

CANTON, GA (VR Certificate #1223)
146 Bluffs Court | Canton, GA 30114

VR Repair Center & GE Masoneilan Authorized Repair Center (MARC)

- Steam test capabilities: 225 PSIG (450 PSIG with Lift Assist)
- Air/Gas and Liquid testing, setting & repair up to 6,000 PSIG (10,000 PSIG with Lift Assist; valve specific requirements)
- Other Services: Control Valve Repair, Valve Automation, Troubleshooting, Field Testing & Repairs

WHEELING, WV (VR Certificate #1225)
126 McColloch Street | Wheeling, WV 26003

VR Repair Center (All Brands)

- Air/Gas and Liquid testing, setting & repair up to 6,000 PSIG (10,000 PSIG with Lift Assist; valve specific requirements)
- Field service testing, setting & repair (VR Trailer, Auxiliary Lift Assist, Bottle Test)
- Other Services: In-line Valve Servicing & troubleshooting; Ball, Plug & Gate Valve Flushing, Greasing & Sealing; Valve Automation; Isolation Valves, Weather Caps



What is the difference between a VR Recertification and Test Only on a pressure safety valve?

Pressure safety valve manufacturers build certain relief devices to meet ASME specifications (i.e. – Section I, III, IV, VIII), these standards have been developed and accepted to provide safe and consistent, system-overpressure relief on applications such as boilers, pressure vessels, power-piping, heat exchangers...etc. **TRIVACO is National Board certified to repair all ASME Section I & VIII safety relief valves.**

A National Board VR certificate holder is authorized to inspect, verify and re-establish OEM specifications for all critical parts. The VR holder is also responsible for setting all devices within ASME specified tolerances using calibrated measurement and test equipment, and retain the documentation. This provides the end user with ease of mind that, in an overpressure scenario, their relief valves have been fully certified for performance, functionality and accuracy.

A "Test Only" is a basic "pop" test and may have been performed by an unrecognized organization with no demonstrated level of quality, competency or integrity. If an unrecognized organization repairs or cuts the lead seals to test an ASME device, the valve no longer falls under ASME or National Board certifications, since there is no recognized standard for the set pressure or relieving capacity of the subject PRV. It is the responsibility of the user to establish a relief valve program. A risk based analysis of different types of systems should provide the general longevity of specific relief devices on each application.

How often should you inspect your relief valves?

Always check with your local jurisdiction for mandated requirements, whether it be your state boiler & pressure vessel inspector or insurance provider. As stated before, a relief valve program should be established to maintain the safety of your plant equipment and most importantly to protect the lives of all employees.

The National Board Inspection Code has published Recommend Inspection and Test Frequencies in Part II (2.5.8.f)

<i>Annually</i>	<i>Every 3 years</i>	<i>Every 5 years</i>	<i>Per inspection history</i>
<ul style="list-style-type: none">• Steam Service• DOT regulated Pipelines	<ul style="list-style-type: none">• Air & Clean Dry Gases	<ul style="list-style-type: none">• PRVs with Rupture Discs• Propane & Refrigerants	<ul style="list-style-type: none">• All Others