

## PRESSURE RELIEF VALVE TESTING: INTRODUCING THE ACCUTEST SYSTEM

R.E. Mason now uses the latest technology in pressure relief valve testing: **AccuTEST**. The fully automated valve test system utilizes a computer-controlled electric motor in conjunction with system pressure to verify set point. This test accurately determines if a valve lifts within set point tolerance.

### PRESSURE RELIEF VALVE TESTING

The National Board Inspection Code requires pressure relief devices to be tested periodically to ensure they are free to operate in accordance with the requirements of the original code of construction. Testing shall include set point or opening pressure, and where applicable, seat leakage evaluation.

### IMPORTANCE TESTING

Insurance carriers and local jurisdictions have periodic testing requirements. Routine testing will help ensure safe operation of your pressure relief device since it's your last line of defense.

### LIFT-ASSIST DEVICE

The AccuTEST system is a fully automated test system with several features that make it easier and safer for technicians to test valves in the field. Utilizing the industry's most advanced software, this fully automated system virtually eliminates the possibility of human error throughout every stage of operation, from automatic sensor calibration to output of final test results. In addition, an acoustic signature can be recorded to help verify set point while normalizing background noise. An integrated database of valve specifications from all major valve manufacturers also allows new valve specs to be entered as needed.



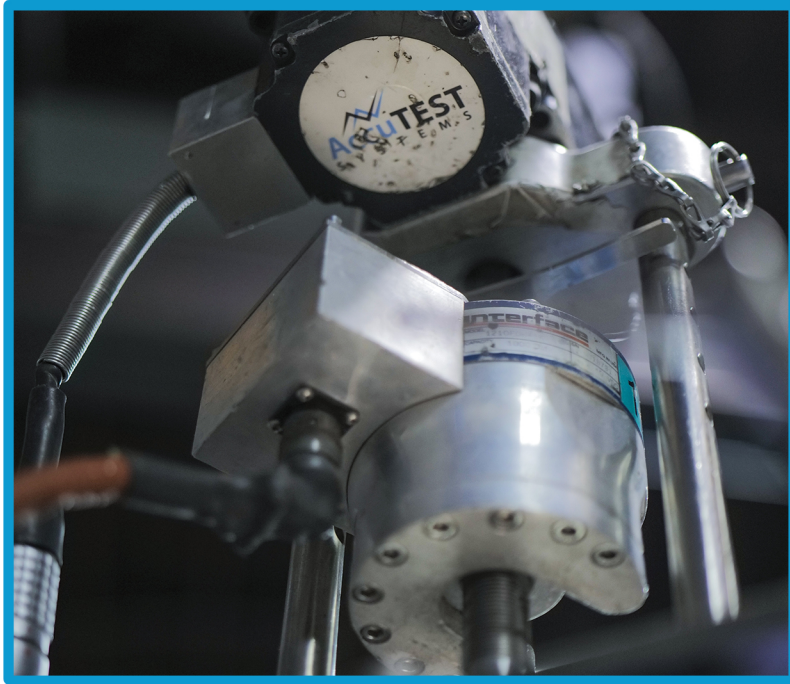
### ACCUTEST ADVANTAGES:

- Set pressures automatically calculated by measuring lift force, line pressure, and acoustic trigger.
- Universal mounting assembly enables use on all types of exposed spindle valves.
- Load rig allows for lift forces up to 4,500 kg (10,000 lb).



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## IMPROVED REPORTS

Valve test report formats include: test information, test results, valve data (with complete valve history), valve maintenance history and calibration. Files are stored permanently in the computer for enhanced data management to enable convenient tracking, access and print information. Initial test documentation can be provided immediately after testing is performed.

## BENEFITS OF USING R.E. MASON FOR MANAGING YOUR PRESSURE RELIEF VALVE POPULATION:

- Experience: Over 200 years of combined experience in testing and repair of pressure relief devices.
- Locations: Valve repair shops in NC and VA.
- On-site mobility: 53-foot mobile valve shop with self-contained systems for compressed air, water, and electrical.
- ASME Section I /VIII VR Stamps; ASME Section VIII UV Assembly certificates.
- Turnkey service with the ability to remove and reinstall.
- Authorized assembler for new Anderson Greenwood™ and Crosby™ pressure relief valves.
- Use our on-demand service for PRV pick-up and return.
- Consider a Relief Valve Services Program for shutdown-turnarounds (STO) and day-to-day service.



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