

EVT Diagnostic Services

Your local Consolidated® representative has the experience and resources to provide you with cost effective valve management services. Our teams of industry experts understand the unique needs of your operation and they are leaders in valve services management.

Dresser offers tools such as ValvKeep®, valve management software, and EVT™, electronic valve testing.

ValvKeep® valve management software provides custom support data services to help manage relief valves, control valves, and other equipment in your operation.

EVT Electronic Valve Tester provides advanced capabilities for diagnosing the condition of your safety relief valves while the valve is in service. Data collection and analysis can be performed without removing the valves from the equipment they are protecting. The EVT data can also be used to set proper relief adjustment for valves that are rebuilt in the field.

Key Customer Benefits

- Reduced operation and maintenance costs
- Reduced manpower requirements
- Reductions in unscheduled maintenance
- Improved spare parts planning
- Accurate data for efficient decision making

EVT System Features

The EVT is a Windows® based system that uses smart sensors, and can be used to perform diagnostic and set point verification of safety relief valves. The integrated software provides the necessary information for most overpressure relief valves in service today. EVT features include:

- Automated/Motorized hydraulic pressure pump
- Automated relief point detection
- Computer recognition of valve lift
- Fast microprocessor-based data acquisition system
- Storage of test and proprietary valve data
- Electronic access to the computerized data base
- Automated reseal capability (insures valve will not go to full lift due to testing)
- Application with any Safety Relief Valve
- Pressure and load cell sensors
- Field printing capabilities



Advanced Capabilities

The self-contained system is ergonomically packaged within an Intrinsically Safe industrial computer with a full color display and battery power capability. The EVT is extremely portable for potential application within any plant site in the world. Unique features and capabilities of the system include the ability to:

- Collect and record data without removing valves from operation
- Identifies trends through comparison of current and past valve signatures
- Windows® is a registered trademark of Microsoft Corporation