Valve Leak Measurement System (VLM)

G Systems
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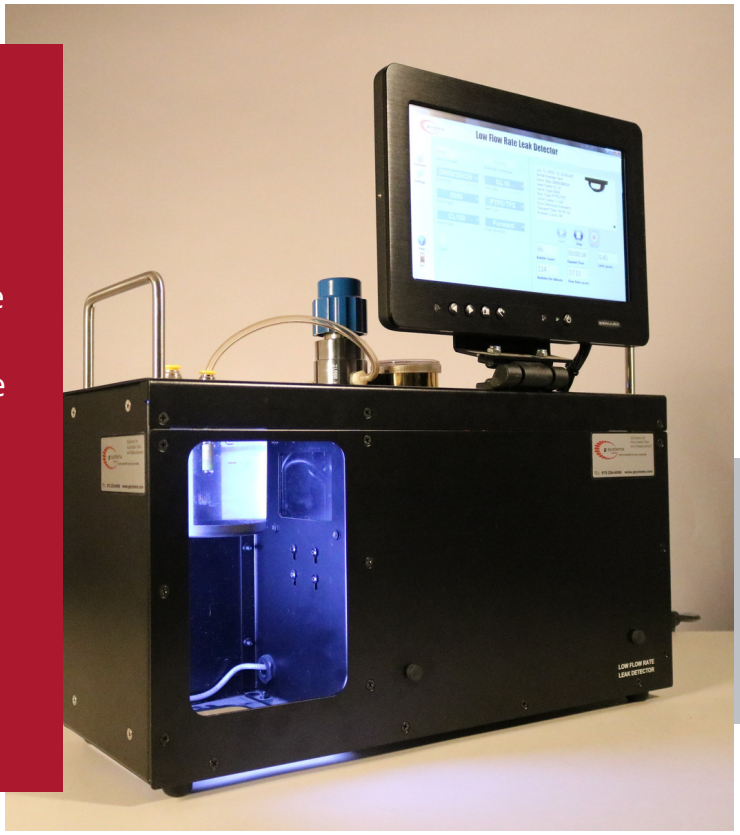
The VLM provides a user interface allowing for up to six parameters to define a valve, (i.e. valve size, leak class, valve type, seal type, flow direction etc). Once selected, these parameters are used to query a table and the acceptable flow rate is chosen to determine pass or failure. Video recordings are also able to be saved for “witness” tests.

The VLM includes a ¼ copper tube to be placed in a jar of water ¼” above the bottom of the tube. This tube can be exchanged with another size to comply with a similar standard.



FEATURES

- Bar code scans of serial numbers capable
- Parameterized limit checks
- Touch screen user interface
- Pass/Fail indication
- On screen indicators of the current rate, timestamp and parameters
- Timed tests
- Video record of tests
- Measurement of 0-200 Bubbles per minute, including zero bubble tests
- Simple database logs of the pass/fail by Serial Number for easy retrieval

BENEFITS

- Eliminates need to continuously observe a bubble leak jar
- More suitable than flow meters for detecting low or zero-leak conditions
- Eliminates operator bubble counting errors
- Eliminates test documentation errors through the automated leak detection process and data storage
- Fully integrates with any test fixture and data system - new or existing
- Is compatible with API Standard 527, Seat Tightness of Pressure Relief Valves
- Simplifies operation with a touch-screen and pick lists for data integrity
- Instills confidence in the consistency and accuracy of the leak detection process

CUSTOM UPGRADE OPTIONS:

- Custom mounting and packaging
- Custom user interface and data output
- Additional option to output the bubble count to analog or digital (0-10v analog out or pulse train) for connecting to an end of line tester
- Addition of a bar code scanner
- Addition of an auxiliary pressure sensor input

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