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Titan Cloud

Qualitative Dry Line Test PM2 (for Rigid and Flexible Pipelines)

LINE TIGHTNESS TEST METHOD

Certification

Leak rate of 0.1 gph with PD = 100% and PFA = 0%.
Leak rate of 0.025 gph with PD = 100% and PFA = 0%.

Leak Threshold

< 0.05 gph. Proprietary for dry test mode.
< 0.0125 gph for leak rate of 0.025 gph.

Applicability

Any dry pipeline.

Specification

System tests fiberglass, steel and flexible pipelines.
Dry Tests are conducted at 45 psi or 150% of operating pressure using the system as a digital manometer against the fluid and trapped vapor in the pipeline.
Mechanical line leak detector must be removed or manually isolated from pipeline for duration of test, or if testing is to be conducted with mechanical line leak detector in place, check valve in pump must be manually closed.

Pipeline Capacity

For leak rate of 0.1 gph
Maximum of 371.22 gallons in rigid piping.
Maximum of 109.8 gallons in flexible piping.
Maximum total of 481 gallons in combination rigid and flexible (the capacity of the flexible component cannot exceed 109.8 gallons).
Manifolded piping may be tested as long as the total length of piping is within the capacity and configuration limitations.

For leak rate of 0.025 gph
Maximum of 165 gallons in rigid piping.
Maximum of 110 gallons in flexible piping.
Maximum total of 275 gallons in combination rigid and flexible (the capacity of the flexible component cannot exceed 110 gallons).
Maximum pipe diameter is 6.00 inches.
Manifolded piping may be tested as long as the total length of piping is within the capacity and configuration limitations.

Waiting Time

None between delivery and testing.
None between dispensing and testing.

Test Period

For leak rate of 0.1 gph
Minimum of 3 minutes after installing in line.
Test data is collected continuously and recorded by computer.
Data is analyzed at the Leighton O'Brien analysis center with telemetry.

For leak rate of 0.025 gph
Minimum of 5 minutes after installing in line.
Test data is collected continuously and recorded by computer.
Data is analyzed at the Leighton O'Brien analysis center with telemetry.

Calibration

No temperature sensors used.
System must be calibrated yearly in accordance with manufacturer's instructions.

Comments

Groundwater is overcome with pressure on the top of the fluid test system apparatus during the dry test.

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