

## Vaporless Manufacturing

### Vaporless LD-3000, LD-3000S

#### AUTOMATIC MECHANICAL LINE LEAK DETECTOR

|                          |  |
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| <b>Certification</b>     | Leak rate of 3.0 gph with PD = 100% and PFA = 0%.  |
| <b>Leak Threshold</b>    | 2.0 gph.<br>A pipeline system should not be declared tight if the test result indicates a loss that equals or exceeds this threshold.  |
| <b>Applicability</b>     | Gasoline, diesel, aviation fuel.<br>Other liquids may be tested after consultation with the manufacturer.  |
| <b>Specification</b>     | System tests pressurized steel and fiberglass pipelines.<br>Tests are conducted at operating pressure.   |
| <b>Pipeline Capacity</b> | Maximum of 320 gallons.  |
| <b>Waiting Time</b>      | None between dispensing and testing.   |
| <b>Test Period</b>       | Response time is 9 seconds.  |
| <b>System Features</b>   | Permanent installation on pipeline.<br>Automatic testing of pipeline.<br>LD3000 - restricted flow to dispenser if leak is declared.<br>LD3000S - pump shutoff if leak is declared.                 |
| <b>Calibration</b>       | System must be checked annually and, if necessary, calibrated in accordance with manufacturer's instructions.  |
| <b>Comments</b>          | Functionality and operability of the 99 LD-3000 are unchanged by installation of the Leak Detection Sensor (piston switch) that supports the VMI ISM-4080 and ISM-4081 Integrated Shutdown Module. |

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