

VACUUM LEAK DETECTION MONITORING

Model VLM-P

The advanced Vacuum Leak Detection System continuously monitors the interstitial area around double-walled piping, enclosures, tank walls, etc. The controller creates a vacuum in the interstitial space and if it senses a significant pressure drop for a specific amount of time, the controller alerts the operator of a leak. The system also alerts the operator to whether the leak is oil or water. Vacuum leak detection gives significant benefits of early alerts even before liquid is present.

Features

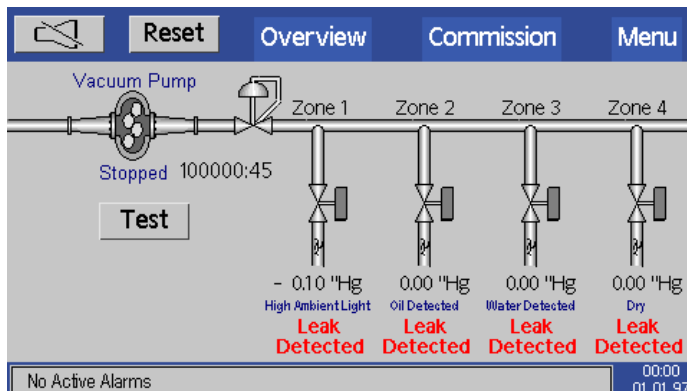
- Safe for outdoors, built in a NEMA 4X cabinet enclosure.
- Separated monitored zones means a leak in one zone does not affect the monitoring of other zones.
- Simple and quick mounting.
- UL 508 standard.
- Standard 4" touch screen showing overview, alarm, and commissioning.
- Standard Modbus Ethernet and BacNet IP communication.
- Integrates discriminating point leak detection with the vacuum leak detection.

Mechanical Specifications

NEMA Rating:	4X
Enclosure:	Cabinet for wall mounting 20" x 20" x 10" Stainless Steel
Weight:	50 lbs.
Operating Temperature:	-20 to 104 F
Storage Temperature:	40 to 104 F
Humidity:	5-95% (non-condensing)

Electrical Specification:

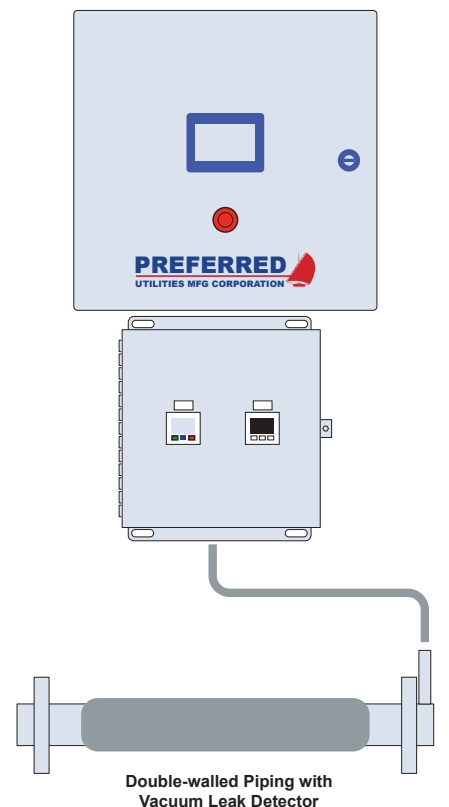
Input Power:	120VAC +15/-20%, 60VA, 50/60 Hz
Relay Outputs:	(1 vacuum pump motor, up to 4 solenoid valves, 1 alarm, 1 strobe) Note: All inductive DC loads need clamp diodes; solenoids might have internal diodes. Polarity is important.
Analog Inputs:	4-20mA input, 0.2% accuracy, 13 bit resolution 22VDC/30mA supply for each channel (Up to 4 pressure transducers for measuring vacuum, up to 4 discriminating leak detectors)
Communication:	RS-485, Modbus Ethernet, and BacNet IP



Vacuum Leak Detector Overview Screen



Vacuum Leak Detector Cabinet

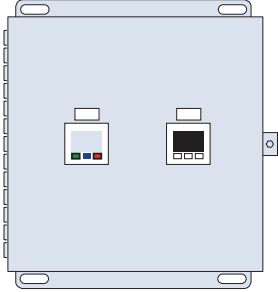
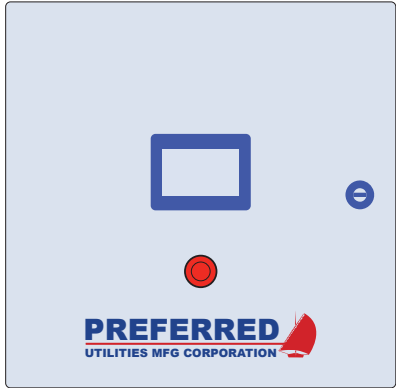


Vacuum Leak Detector Connection Setup

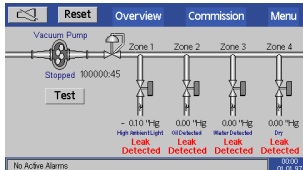
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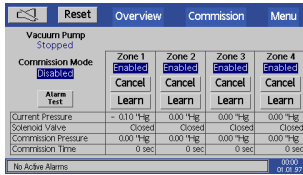
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Double-walled Piping with Vacuum Leak Detector



Leak Detection Screen



Status Screen



(203) 743-6741



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