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