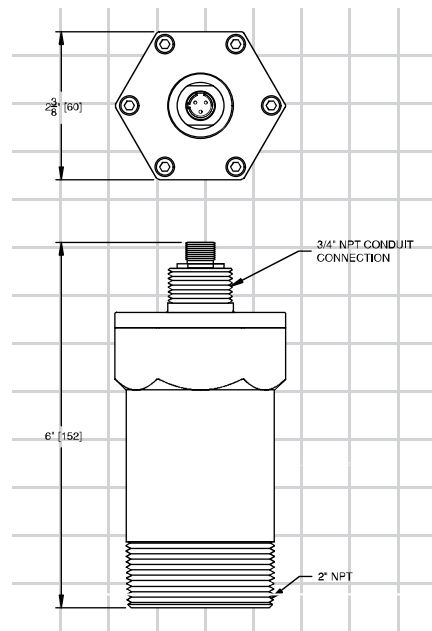


## 3 GPH Catastrophic Line Leak Detector for Use with TMS2000, TMS3000 and TMS4000 Series Tank Management Systems



### Product Description

The LLP203 is an EPA-compliant line leak detector intended for use with pressurized liquid piping systems, and is ideal for Critical Power applications where 3 GPH(11 LPH) catastrophic line leak detection with audible and visual alarms is required, but pump shutdown is not desired. In keeping with our philosophy of continuing support for all TMS platforms, the LLP203 is designed to be compatible with all TMS2000, TMS3000 and TMS4000 Tank Management Systems using Pneumercator's standard, universal leak sensor inputs, which means LLP203 sensor capacity is only limited by the number of available inputs to a maximum of 16. Additionally, any TMS built after 2003 can support the LLP203 with a simple firmware upgrade. Standard sensor construction uses 316SS for all wetted sensing components and an external aluminum housing, but is optionally available in all 316SS, making it suitable for practically all fuels and additives.

### Features

- Simple, two-wire interface, 2" NPTM pressure connection
- Suitable for all diesel fuels, biodiesels, gasolines, ethanol blends and aviation fuels
- All wetted sensing components are 316SS, external housing standard is anodized aluminum, optionally available in 316SS.
- Programmable for audible/visual alarm only, or audible/visual alarm with pump shutdown.
- Programmable for two modes of leak detection, test after pump shutdown or, hourly and test after pump shutdown.

### Specifications

- Electrical Connection: 3-Conductor Cable (two wires used), 3-Pin Quick Disconnect, 3/4" NPT Male Conduit Connection
- Pressure Connection: 2" NPT Male
- Weight: Aluminum Housing, 316SS Sensor Body 2.25 lbs (1 kg), All 316SS 3.75 lbs (1.7 kg)
- Dimensions (H x W): 6" x 2.6" (152 mm x 66 mm)
- Operating Temp: -40 °F to 194 °F (-40 °C to 90 °C)
- Pressure Rating: 150 PSI (1033 kPa)
- Overpressure: 200 PSI (1379 kPa)
- Burst Pressure: 500 PSI (3447 kPa)

**Certifications/Approvals**

- UL/cUL Approved
  - Third-Party Approved
- 3.0 GPH (11 LPH): Pd = 100.0%, Pfa = 0%

LLP203 Piping Volume Limits Table									
Charge Pressure[psi]	Bulk Modulus[psi]								
	2000	5000	10000	20000	30000	40000	50000	60000	70000
30	117	292	584	1167	1179	1179	1179	1179	1179
40	78	195	389	778	1167	1179	1179	1179	1179
50	58	146	292	584	875	1167	1179	1179	1179
60	47	117	233	467	700	934	1167	1179	1179
70	39	97	195	389	584	778	973	1167	1179
80	33	83	167	333	500	667	834	1000	1167
90	29	73	146	292	438	584	729	875	1021
100	26	65	130	259	389	519	648	778	908
110	23	58	117	233	350	467	584	700	817
120	21	53	106	212	318	424	530	637	743

**Ordering**

- LLP203-1 Aluminum for external housing, all 316SS wetted sensor components
- LLP203-2 316SS for external housing, all 316SS wetted sensor components