

Safeguard your system from costly product loss and equipment damage, and protect the integrity of your process with PULSAlarm<sup>®</sup> leak detection systems. PULSAlarm<sup>®</sup> delivers pressurized leak detection technology to monitor the diaphragm integrity of your PULSA, PULSAR or SHADOW metering pumps.

### Key Features

- Delivers pressurized leak detection technology to monitor the diaphragm integrity of your PULSAR pump.
- Supplied with a rugged dual PTFE diaphragm that allows integrity to be monitored during pump operation.
- If an increase in pressure between the diaphragms is detected, the leak detection system's dry contact relay can transmit a signal to activate an alarm and/or stop the pump.
- Available on both metallic and non-metallic reagent head constructions
- Can be directly interfaced with Pulsafeeder's ECA, DLC, and DLCM, state of the art microprocessor-based controllers, for totally intergraded systems control.

### Optional Features

- Pressure gauge or compound gauges provide a rapid visual indication of pump diaphragm integrity
- SPDT switches can be wired to signal an alarm and/or shut down the system, providing a rapid remote indication of diaphragm condition
- An optional switch can be housed in an explosion proof enclosure suitable for use in most hazardous areas and applications

### Operating Benefits

- Decrease process downtime
- Critical applications are protected
- Detects variations in pressure, which activates alarm or stops the pump
- Less waste



### Aftermarket & Accessory Offerings

- KOPkit<sup>®</sup>
- Cal Columns
- Strainer
- Pressure Relief Valves
- Back Pressure Valves
- Pulsation Dampeners
- Gauges

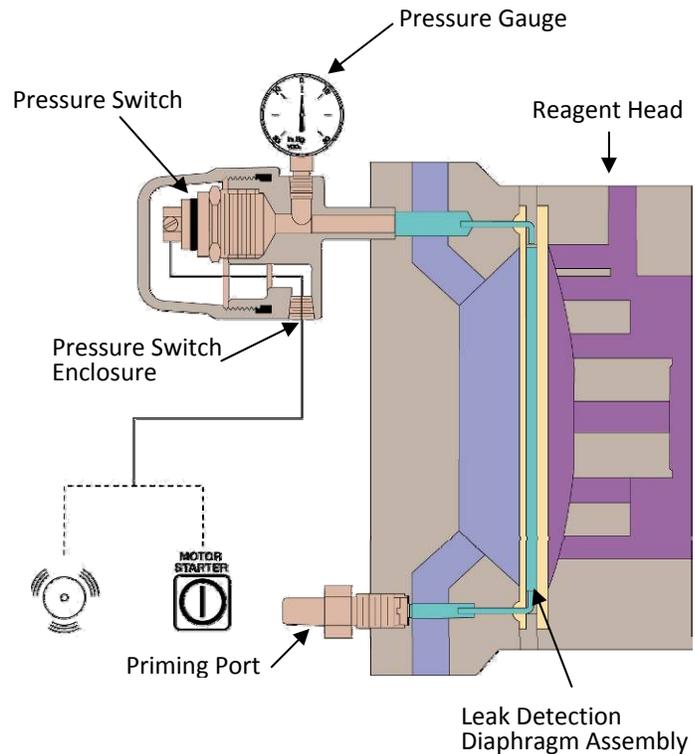


**PULSAlarm**<sup>®</sup>  
Leak Detection System

# PULSAlarm<sup>®</sup>

## Leak Detection System

The PULSAlarm leak detection reagent head assembly consists of reagent head, leak detection diaphragm, suction and discharge check valves, bleed port, and optional switch and gauge. The reagent head, diaphragm, suction and discharge check valves are the only parts of the pump to contact the process liquid.



### Engineering Data

**Maximum Pressure Rating:** 207 bar (3000 psig)

**Wetted Material Diaphragm:** PTFE

**Non-Wetted Material:**

<i>Spacer Ring</i>	316SS
<i>Port and Valve</i>	316SS
<i>Switch Diaphragm</i>	304SS
<i>Switch Housing</i>	316SS
<i>Switch Gasket</i>	FKM

**Hazardous Area Classification**

NEMA 7, EEMAC7, Class 1, Division 2, Groups C&D, Class 1, Zone 1, Groups 11A and 11B IP56

**Agency Listings:**

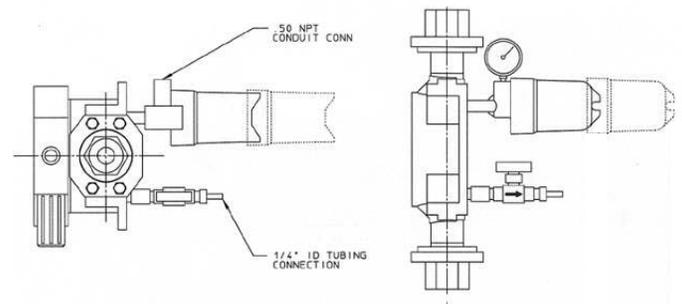
UL, UL for Canada  
Demko for CENELEC  
Standard Eex d  
11B T5

### Dimensions

**PULSAlarm Pressure (mm/in)**

Dim X: 263.5 / 10.38

Dim Y: 350.5 / 13.80



[pulsafeeder.com](http://pulsafeeder.com)



2883 Brighton Henrietta TL Rd  
Rochester, NY 14623  
Phone: ++1(585) 292-8000  
Fax: ++1 (585) 424-5619



An ISO 9001 and ISO 14001 Certified Company

PAR002-111