

PULSA LARM®

Leak Detection Systems

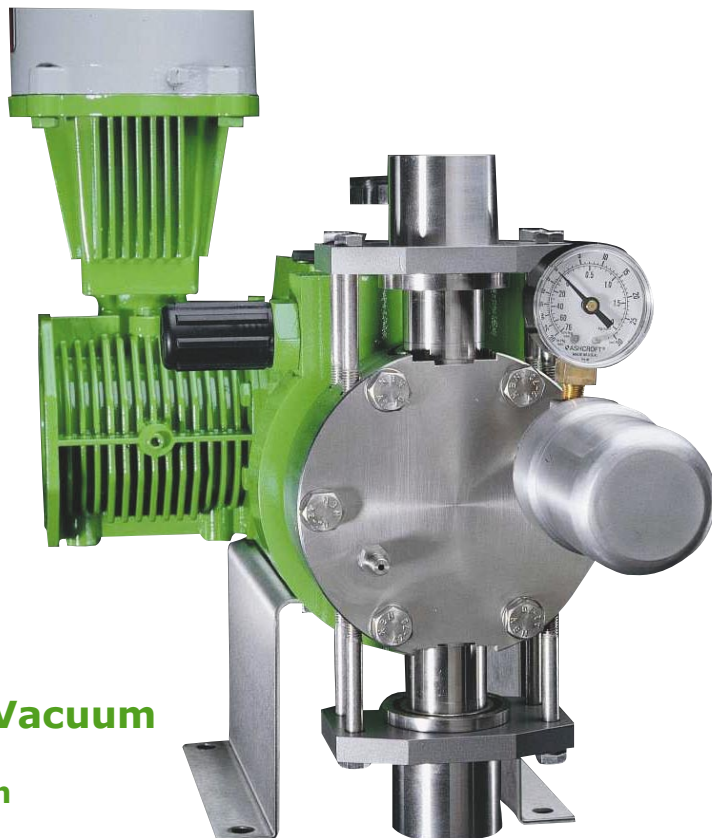
Safeguard your system from costly product loss and equipment damage and protect the integrity of your process with:

PULSAlarm® Leak Detection Systems

PULSAlarm® delivers Pressurized Leak Detection or Vacuum Leak Detection technology to monitor the diaphragm integrity of your PULSAR hydraulically actuated metering pump. PULSAlarm® is supplied with a rugged dual Teflon® diaphragm that allows diaphragm integrity to be monitored during pump operation or when the pump is idle.

An optional pressure gauge or compound gauge provides a rapid visual indication of pump diaphragm integrity. An optional SPDT switch can be wired to signal an alarm and/or shut down the system, providing a rapid remote indication of diaphragm condition ensuring reliability and safety in the most critical or hazardous of applications. The optional switch is housed in an explosion proof enclosure that is suitable for use in most hazardous areas and applications in an effort to maximize safety and deliver standardization.

Each pump and leak detection system is tested at the Pulsafeeder factory to ensure reliable performance. PULSAlarm® is available on both metallic and non-metallic reagent head constructions. As an exclusive feature, PULSAlarm® can be directly interfaced with Pulsafeeder's ECA, DLC, and DLCM, state-of-the-art microprocessor-based controllers, for totally integrated systems control.



PULSAlarm® Vacuum Vacuum Leak Detection System

PULSAlarm® Vacuum Leak Detection Systems monitor a volume of evacuated space between the PULSAlarm® Teflon® dual diaphragms. If loss of vacuum is detected, the leak detection system's dry contact relay can transmit a signal to activate an alarm and/or stop the pump. As an exclusive feature, the vacuum system is designed to contain full rated pressure of the pump up to 3000 psig (207 bar).

PULSAlarm® Pressure Pressurized Leak Detection System

PULSAlarm® Pressure Leak Detection Systems monitor the pressure of an intermediate fluid between PULSAlarm® Teflon® dual diaphragms. An increase of pressure in this intermediate fluid is an indication of potential compromise to the diaphragm assembly. The Leak Detection system's dry contact relay can transmit a signal to activate an alarm and/or stop the pump. By means of monitoring the pressure between the diaphragms, the most critical applications are protected from devastating failures or process downtime. As an exclusive feature, the pressure system is designed to contain full rated pump pressure up to 3000 psig (207 bar).



Quality System ISO9001 and ISO14001 Certified

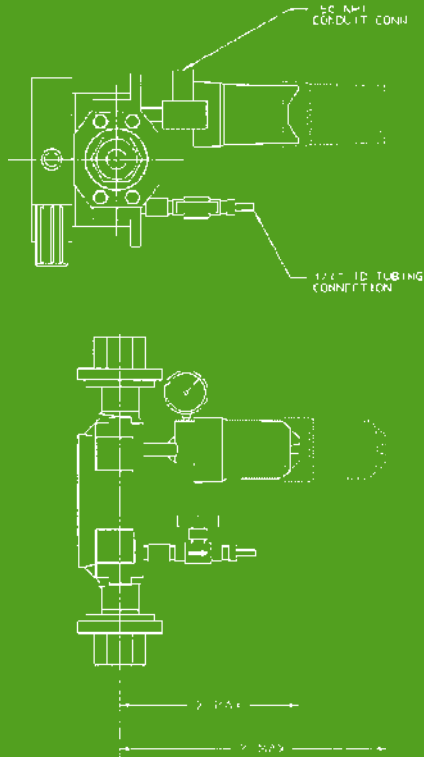
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PULSALARM®

Leak Detection Systems

Dimensions:



PULSAR PULSALARM PRESSURE

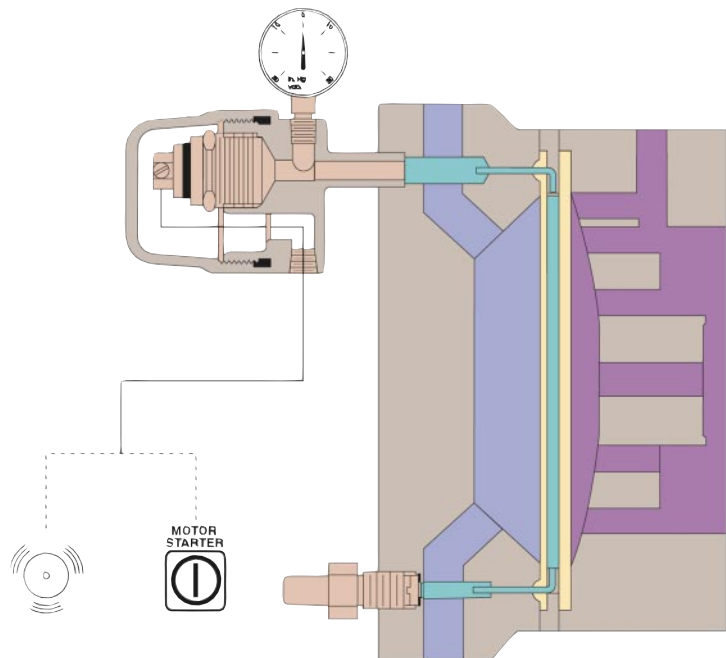
DIM X 263.5 / 10.38 **DIM Y** 350.5 / 13.80

PULSALARM VACUUM

DIM X 200.0 / 7.88 **DIM Y** 287.0 / 11.30

DIMS ARE MM / INCHES

Note: To determine approximate overall dimension of the pump equipped with leak detection, add appropriate value "X" to the overall length dimension labeled "E" for the pump size required. Value "Y" is the distance required to unthread and remove the switch housing. Illustration shown is a threaded connection. Flanged connections are also available by consulting the factory.



Maximum Pressure Rating 207 bar (3000 psig)

Wetted Material
Diaphragm TFE (Teflon®)

Non-Wetted Material
Spacer Ring 316SS
Port and Valve 316SS
Switch Diaphragm 304SS
Switch Housing 316SS
Switch Gasket VITON®

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

PULSAlarm® KOPkits

KOPkits are available for leak detection systems with the appropriate repair parts for typical routine maintenance and maximized safety and reliability of your process.

PULSAlarm® and KOPkit® are registered trademarks of Pulsafeeder, a Unit of IDEX Corporation.
Teflon® is a registered trademark for fluoreopolymer resins manufactured by DuPont.
Viton® is a registered trademark for fluorelastomer products manufactured by DuPont.



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