

EXPLOSION PRESSURE DETECTOR



PRODUCT INFORMATION SHEET



CAPT-AIR®

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Description

The IEP Technologies static explosion pressure detector provides millisecond response to the pressure rise which occurs in the brief moment before an explosion, in order to initiate active explosion protection measures such as suppression or isolation. The detector is made of a cast aluminum housing, with a stainless steel field adjustable diaphragm. As standard, the pressure detector comes with a 24-inch long braided cable assembly. A standoff mounting kit is also available. The mounting kit consists of a stainless steel standoff pipe, a detector mounting bracket, a hose assembly, hose clamps, gaskets, and an adaptor plate.

Application

Used in conjunction with IEP Technologies' range of control panels and suppressors, it provides a proven means of detection for a wide range of applications. Typical applications include explosion protection of dust collectors, mills, bins, hoppers, dryers and other process equipment handling explosive dusts or vapors.

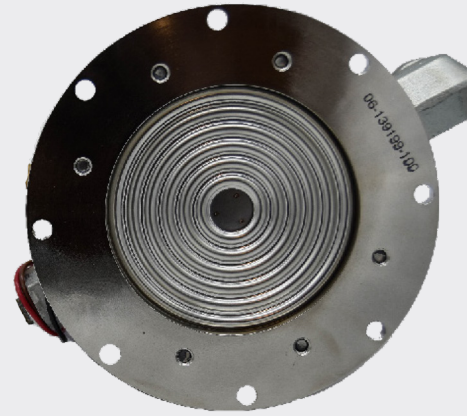
Advantages

- Field adjustable design provides custom pressure settings from 0.25 psig to 5.0 psig
- Factory Mutual-approved device detects explosions in a variety of Class I and II hazardous locations
- Construction provides reliable moisture and explosion-proof performance
- Detector standoff mounting kit protects against accidental system actuation caused by process vibration
- Stainless steel diaphragm ensures corrosion resistance

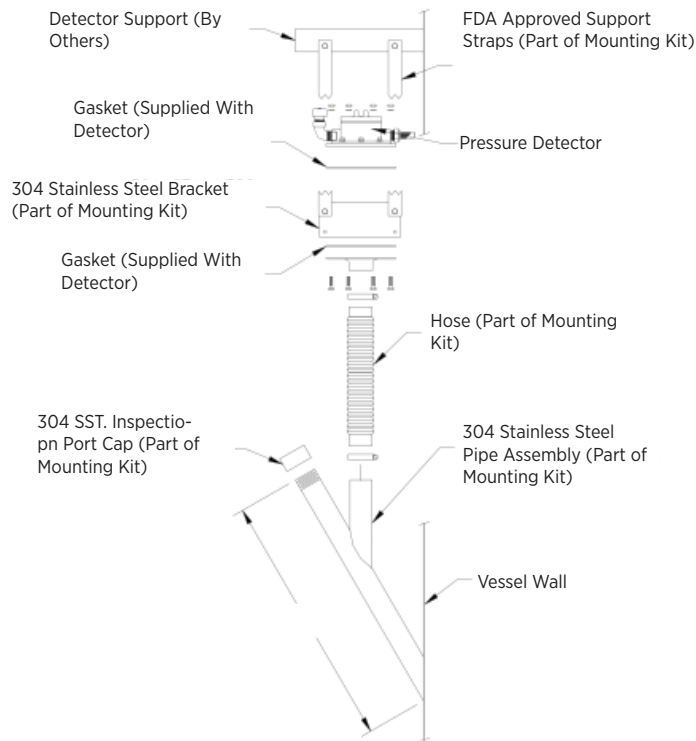
Specifications

Construction:	Epoxy painted cast aluminum housing and cover incorporating a stainless steel diaphragm.
Switch:	Moisture-resistant switch assembly having normally open contacts suitable for IEP Technologies' range of control units.
Mounting:	Flush stud mounting to outside of vessel wall or with standoff pipe assembly included with mounting kit.
Approximate Weight:	Detector - 3 lbs., mounting kit - 10 lbs.
Approvals:	Factory Mutual (FM) Approved.

Explosion Pressure Detector



Typical Mounting Arrangement



Ordering Information

Pressure Detector

Part Number	Description
32-090018-020	PRESSURE DETECTOR, CARBON STEEL FLANGE
32-090018-021	PRESSURE DETECTOR, STAINLESS STEEL FLANGE

Detector Standoff Mounting Kit

Part Number	Hose Construction	Length (inches)
32-193017-009	Flexible Silicone/Fiberglass Rubber	12
32-193017-010	Flexible Silicone/Fiberglass Rubber	24

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