

BROKEN BAG DETECTOR

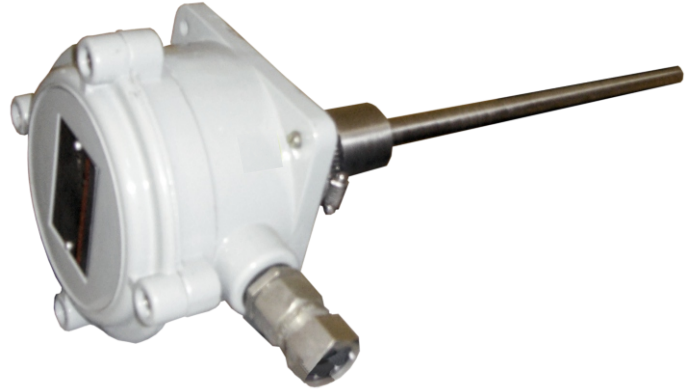
(FLOW / NO FLOW MONITOR)



Timely Detection of Broken Bags in a Bag House

Results in Prevention:

- of Product loss
- Contamination of Production line
- Damage Equipment
- Control of Pollution & Emission



Proven Technology, Time-Tested and Economically Priced Detector. It measures the Tribo-electric effect and determines when particle Emissions exceed the acceptable levels.

DESCRIPTION

Broken Bag Detectors finds applications in a wide variety of industries where Detection and control of Dust levels is critical for the Safety, Maintenance, Equipment operation, Plant Efficiency and/or the Environment.

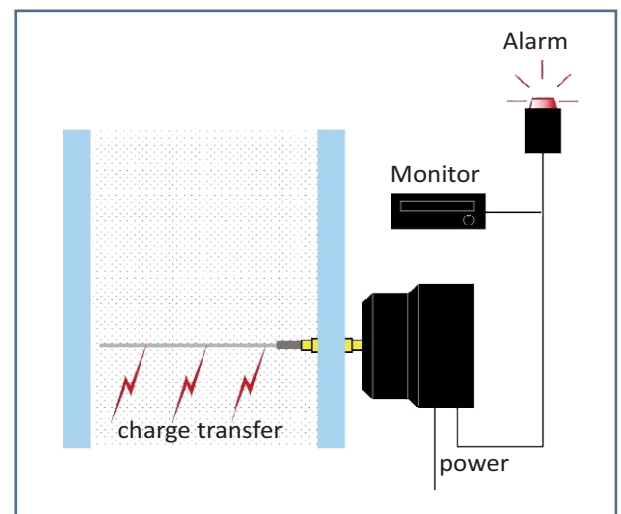
It Provides Reliable and Economical detection of leaks and Filter Failures in Powder and Bulk Solids industries

Broken Bag Detectors has LED visual indications and a relay output to maximize its user-friendliness and automation capabilities. It incorporates a specially designed adjustable damping system that increases its response time and prevents False Alarms.

For Process Flow Application it is a reliable Flow / No Flow Detector to monitor Flow Disruptions of dry solids in bulk handling & Pneumatic conveying

FEATURES

- ⦿ Field-Proven Tribo-electric Technology ensures reliability.
- ⦿ Direct sensing method; Actual Particulate measurement.
- ⦿ Adaptable, suitable for virtually all dust collectors.
- ⦿ Damping system to prevent False Alarms.
- ⦿ Adjustable Sensitivity, Alarm Level and Time Delay to suit wide variety of Powders and Bulk Solids.
- ⦿ Robust & Reliable.
- ⦿ Easy installation. Low maintenance.
- ⦿ Wide range of duct sizes from 250mm to 2m.
- ⦿ Integral Assembly of Sensor and Electronics in Rugged Housing.

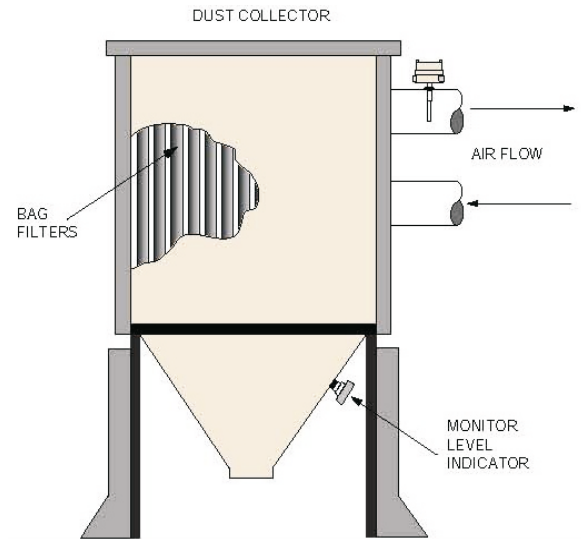


APPLICATIONS

Broken Bag Detectors designed specifically for Broken bag detection and Leaking Filter detection in the exhaust duct of bag houses, cartridge collectors, cyclones, and any other collector containing Filters which may break or wear out.

It finds extensive applications in following industries

- ⊙ Ferrous / Non-Ferrous Metals
- ⊙ Cement
- ⊙ Pharmaceutical
- ⊙ Chemical Processing
- ⊙ Mining and Minerals
- ⊙ Foundries
- ⊙ Pulp/Paper
- ⊙ Utilities
- ⊙ Processing
- ⊙ Food Processing
- ⊙ Fly Ash
- ⊙ Carbon Black



Typical Baghouse Application

SPECIFICATIONS

Measurement

Technique	: Tribo - Electric charge transfer
Sensitivity	: Adjustable
Operating temp (Ambient)	: -20 to 70 deg.c
Flue Gas Temperature	: 0-250deg.c (upto 1000deg. Opt)
Ranges	: 1-1,000mg/m ³
Response Time	: Instantaneous

Installation

Duct Width	: 50mm to 2.2m
Positioning	: 90 deg. C to Duct Wall
Communications Path Length	: Up to 1,000 meters
Socket	: Single 1 Flat Flanged Fitting
Mounting Details	: Dia 40mm, Quick Disconnect Fitting With Clamp And Gasket

Probe

Construction	: 316 Grade Stainless Steel
Sensor Length	: 25, 100, 200, 500, 1000mm or customised
Insulation	: PTFE (T Model - Glass Ceramic)
Sensor Diameter	: 10mm
Power Supply	: 24VDC
Output	: 4-20mA

Alarm Unit

Alarms	: Graphical LCD Dot. Matrix Display
Data-logging	: in built Data. logging system.
Alarm Type	: Industrial hotter
Averaging Time	: Programmable Up to One Hour
Output - Remote Alarm	: SPDT Relay 24VDC 5mA
Power Supply	: 110/220volts 50Hz Ac or 24VDC

