

# Pulse Jet Hose Bag Type Filter

## Description

Pulse Jet Hose Bag Type Filters are known as conventional filters. TECHFLOW has developed new age designs for this filters which gives better life of filter bags, Lower emission levels, Lower Pressure drops, lower power consumption, Higher air to Cloth Ratios with better performance levels, Lower Floor Space Requirement. TECHFLOW supplies customized bag filters on the bases of application requirement. These Pulse Jet Bag Filters are used where air-flows are in large quantity, temperatures are higher than ambient or material to be handled is difficult.

The original concept of fabric filtration started over century back & is still valid & very practical, for separation of solids from Air/ gas stream. Tubular Filter fabric (WOVEN & NON-WOVEN) hose bags are widely employed world over, vertically placed within a housing. For preventing collapse under vacuum or pressure, these bags are retained by metal cages fitted with venturies.

The dust cake build-up on filter bags are cleaned row by row, online or offline, with short timed pulses of compressed air, blown in opposite direction of the main air flow, from clean air plenum. The built in venture on top of the cages, enhances the cleaning air volume by inducing more air from top plenum.

Cracked dust cake pieces with loose dust, falls in the bottom hopper/s of Pulse Jet Hose Bag Type Filter for continuous or periodic discharge thro' bottom removal device/s.

Typical air volumes served thro' this models of Pulse Jet Hose Bag Type Filters are from 5,000 to 500,000 Cum /Hr in single or modular designs.

## Features

- ♦ Modular Designs Available starting from 1600 m<sup>3</sup>/hr to 4,00,000 m<sup>3</sup>/hr.
- ♦ Tool less installation/replacement of bag & Cages.
- ♦ Variety of Filter media available for different applications.
- ♦ Can handle 300°C hot gas.
- ♦ Easy to Install & Commission.

## Options

- ♦ Customized.
- ♦ Pre Cooler for Gas.
- ♦ Spark Arrestor for Certain Applications.
- ♦ Options For Discharge Devices.
- ♦ Surface Filtration Technology.

## Applications

- ◆ Foundry & Steel
- ◆ Cement
- ◆ Boilers Flue Gas
- ◆ Kiln Exhaust
- ◆ Solids Drying
  
- ◆ Mining and Minerals
- ◆ Glass
- ◆ Particle Board Mfg
- ◆ Wood-Working and laminates
  
- ◆ Air Pollution Control Systems
- ◆ Hot Gases and Fumes
- ◆ Coal Handling