



Types of Baghouses

Baghouses are classified by their cleaning method. The three most common cleaning methods are outlined here.

Reverse Air (R/A)

R/A baghouses are compartmentalized so bags can be cleaned off-line by stopping the dirty gas flow and backwashing the compartment with low pressure air from a separate fan. Cleaning action is very gentle, which lengthens bag life.

Components of a reverse air baghouse:

- Isolation dampers
- Filter bag tensioning system
- Anti-collapse rings on bags
- Reverse air fan

Pulse Jet (P/J)

In this type of baghouse, a high pressure jet of air is used to remove dust from bags supported by rings or metal cages. Bags in a P/J baghouse can be cleaned on-line.

Components of a pulse jet baghouse:

- Compressed air source
- Compressed air storage header
- Solenoid valve
- Diaphragm valve
- Blowpipe

Shaker

Cleaning shaker baghouses takes considerably more energy and more time than other designs, so they're used less often than R/A or P/J. Like R/A, the compartments of a shaker baghouse must be cleaned off-line.

Components of a shaker baghouse:

- Attachments for top and bottom of each bag
- Movable frame from which bags are hung
- Shaft and rod attached to external motor