



Fabric Filters

The objective of fabric filter baghouses is to collect particulate matter from the flue gas stream.

- Provide flexibility
 - Fuel switching
 - Pressure and temperature fluctuations
- Higher mercury control
 - Reduced activated carbon consumption
- Capable of lower emission levels
- Gas Path
 - Inlet manifold
 - Inlet plenum
 - Fabric filter module
 - Clean air plenum
 - Outlet manifold
- Dust Path
 - Filtered on bags in module
 - Drops to hopper during cleaning
 - Conveyed to waste or storage
- Cleaning System
 - Manifold
 - Blowpipes

Dustex[®] Brand Advantages

Design for Maintenance

- Top door design (patented design)
- Modular four wall construction

Design for Constructability

- Split module fabrications (patented process)
- Shop insulation and cladding

Advanced Inlet Designs

- Long bag technology
- High side entry



Side Entry Latest Technology

- New technology for long bag design >24'
- Flow enters side of module and flows across bags
- Efficient online cleaning at high A/C ratios
- Reduces bag abrasion issues

Side Entry vs. Hopper Entry

Side Entry

- Distribution up the front wall
- Lower local velocities
- Reduced abrasion
- Efficient cleaning at high air-to-cloth ratios
 - Reduced reentrainment

Hopper Entry

- Less expensive
- Developed for smaller baghouses

Top Door vs. WalkIn Plenum

Top Door

- Easy to access for maintenance
- No confined space requirements
- Less time required to cool
- In-leakage concerns
 - No warping or in-leakage with the Dustex® floating pan design

Walk-In

- Less expensive
- No penthouse requirements

References available upon request.



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