

FAS-300

Central Dust Collection Systems



Complete Dust Collection for your ever changing business.

Efficient and affordable systems ranging from 25 to 300 HP.

Meets all NFPA fire codes & state building codes

Comprehensive 10 Year Warranty

FAS-300 System Overview

Standard System Components

- All components Galvanized - will *never* rust
- Choice of filter media
 - High Performance Cloth Tube Filters
 - Efficient SPUNBOND® Pleated Bag Style Cartridge Filters
- Self cleaning filters via pulse jet air cleaning system
- Customizable return air systems, no heat loss
- Heavy duty 4" x 4" tube galvanized steel legs
- 60° Waste hoppers (number varies by model)
- 12" Heavy Duty Rotary Air Lock unloaders
- Explosion Vent doors to meet NFPA codes
- Easy Access Roof Hatches for Filter Changoout



Modular System Benefits

- Customized height and width
- Modular design can grow with your needs
- No welding or on-site fabrication
- Easy Access Filter Changes
- 10 Year Comprehensive Warranty

From 25 to 300 HP our systems can be custom tailored to your requirements



Galvanized Construction

- Our system main components are constructed entirely with Galvanized steel
 - All Panels, Hoppers, Stands, Supports and Pipe will not rust

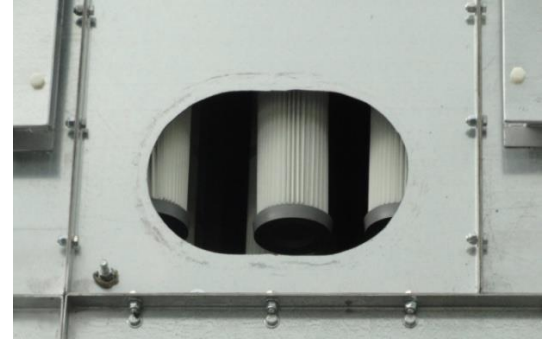


- Heavy Duty Construction Throughout
 - 11 GA Galvanized Steel Panels
 - 4" x 4" Steel Galvanized dipped Stands
 - Extensive Cross bracing
 - 7/16" Hardware



Advanced Filtration

- FAS-300 offers two distinct filtration options
 - Fabric filters with cages
 - Ideal for extreme environments
 - Pleated Bag Cartridge Style filters
 - Highly efficient
 - SPUNBOND® Media
- Simple Filter Installation and Maintenance
 - Roof top access
 - Swiss Cheese filter panel



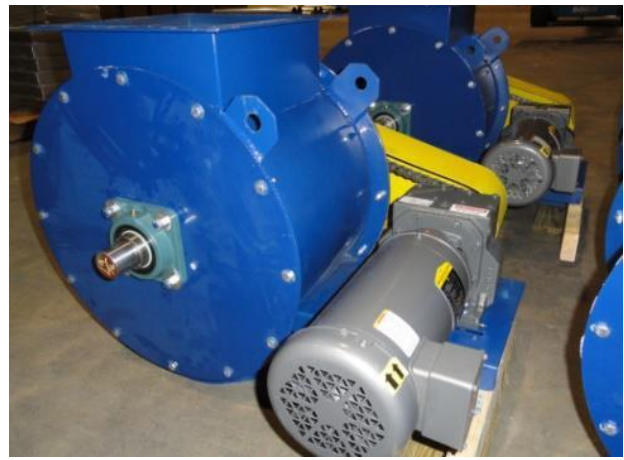
- Pulse Jet Filter Cleaning System
 - Automatic air pulse cleaning keeps filters free of caked on dust, PLC board controlled
 - Heavy Duty reserve air tank
 - High quality *Goyen* air valves & controls



Rotary Air Locks

Rotary Air Locks

- We manufacture our own line of super heavy duty rotary air locks
 - Large 12” square inlet and 12” diameter round outlet
 - Premium Baldor Motors and Baldor Gear Boxes
 - Solid Steel Construction, heavy duty chain drive units
 - 1/4” Rubber fins for increased durability & longer running life



Cyclone Separators & Pre-Filters

- Cyclones help to separate the larger waste particles from the air stream leaving only the finer particles to continue on into the FAS filter box unit.
 - Ideal for use where larger or more abrasive waste is present
 -
 - Helps to preserve the life of your filters



Our FAS Series Fan Boxes

- Filtered Air Systems develops and manufactures our own style of fan boxes
 - Utilizing Chicago Blower fan blades design specifically for your needs
 - Baldor Super-Efficient Series Motors
 - Fan Box sizes engineered to your specific requirements



Two 75HP Fan Boxes



Meeting Today's NFPA Fire Codes

Abort Gates

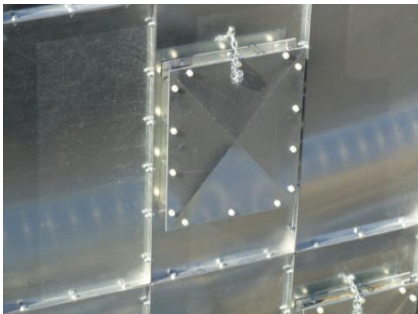
Abort Gates are required to meet local and national fire codes

- Prevents the return of a fire back into your building
- Abort Gates can allow you to return or discharge heat or A/C in your building
 - Save money by returning otherwise lost hot or cool air
 - Cool your building in the summer by discharging warm air outdoors



Explosion Venting

- Explosion Vents allow the release of pressure from deflagration inside the filter box
 - Explosion venting is required by code on all enclosed filter housings
 - Vents are fastened using plastic nuts and bolts, set to release at a predetermined pressure
 - Vent doors are fastened to filter with chains to prevent injury
 - Back Blast doors on the inlets prevent air return into the building



Master Control Panels

- All of our electric control panels are custom built for your specific application or voltage
- Each function clearly marked and displayed
- LED lights identify active motors
- VFD drive controls are available to conserve energy usage



Master Control Panel



A few of our many installations



30 HP Drum Storage



40 HP Drum Storage



50 HP Replaced Old Cyclone



Double 60 HP

Waste Container In-Feeds



Waste Container In-Feeds



More Installation Pictures



Top Picture

50 HP

Bottom Picture

Twin 100 HP on FAS-300

250 HP on Blue Tower

Installation Pictures Continued



Installation Pictures Continued



Installation Pictures







System Overview

- Our FAS-300 Filter System is the perfect fit for any size company
 - Start small and let us grow with you
 - Flexible intake and discharge locations to fit your space
 - Go taller or wider with our many filter options
- We will work with you from design to completion to ensure all of your filtration needs are met in a timely and cost efficient manner.
 - Full Auto-Cad support and design
 - CFM and static loss analysis
 - Duct design specific to your needs
 - Compliance with all codes
- Simple Installation
 - All machine components easily shipped or transported
 - Minimal lifting equipment needed onsite
 - Modular design assembles quickly
 - Experienced Installation Crews

A balance of design, manufacturing & productivity for your future

- Bryan Murphy

President and CEO