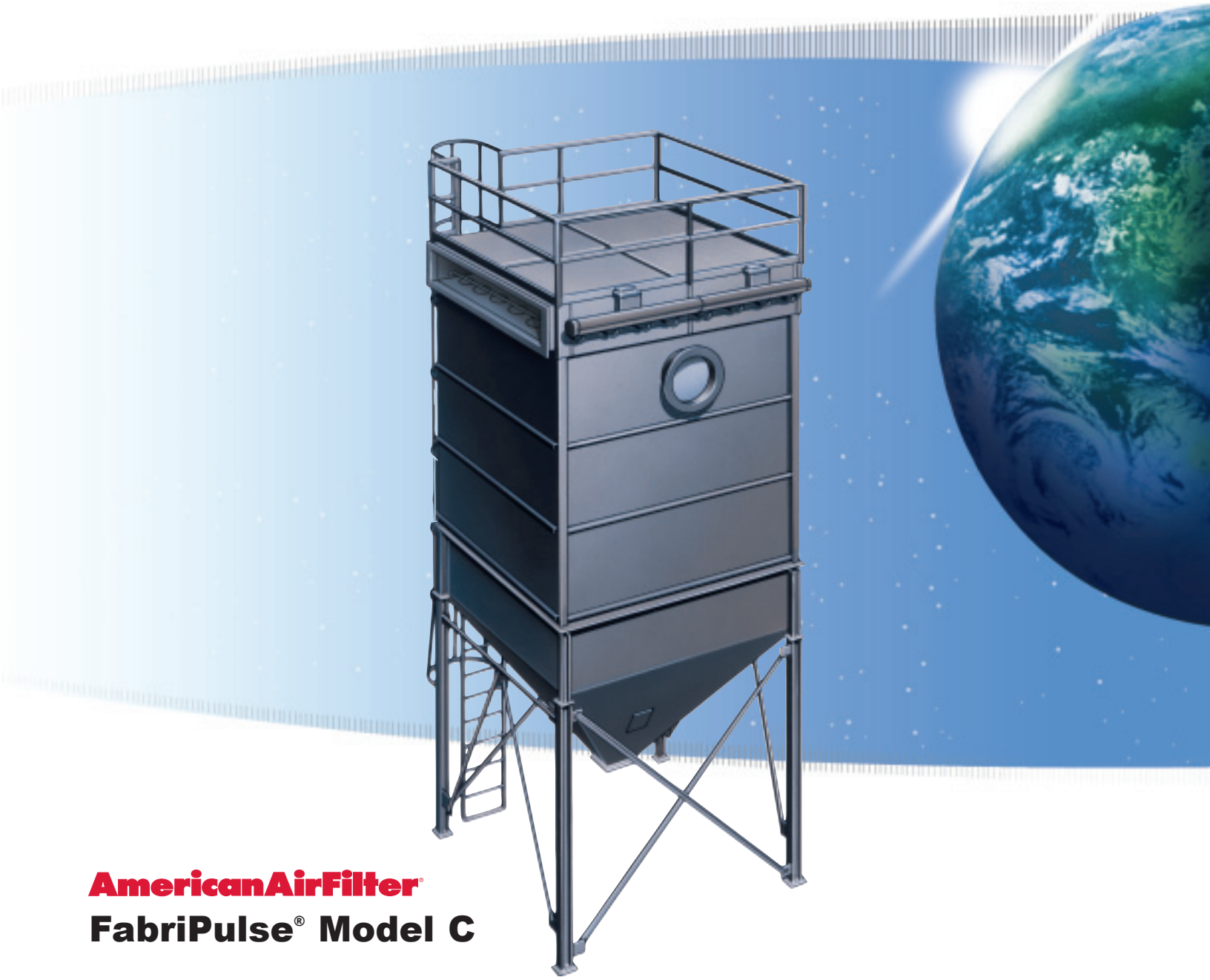


AmericanAirFilter®

FabriPulse® Model C

Better Air is Our Business®

AAF® INTERNATIONAL

AmericanAirFilter®

FabriPulse® Model C

Industry Innovator in Pulse-Jet Dust Collectors Package

Pulse-jet fabric dust collectors are the most universally applied dust collectors for the removal of dry particulate from process and general ventilation air, and for the recovery of product from many manufacturing processes.

AAF has long been a major supplier of pulse-jet fabric dust collectors through its FabriPulse line.

The Model C FabriPulse cleans up to 17, 14-foot long bags with one pulse valve, so efficiently that normally only 0.3 to 0.7 SCFM of compressed air will be required for each 1,000 CFM of dust laden air, at an air-to-cloth ratio of 8:1.

Benefits

Clean Air
The Model C FabriPulse provides continuous dust collection at 99+% efficiency. Pulse-jet cleaning provides effective on-line reconditioning of the fabric without interrupting the air flow through the collector.

Filter bags are available in a wide range of fabrics matched to the operating conditions and the characteristics of the dust being collected.

Highest Collection and Cleaning Efficiency
The Model C FabriPulse design is based on a downflow air principle pioneered by AAF and proven in hundreds of installations. Dirty air enters the collector high up on the housing and against an air inlet baffle which directs the air on a downward path. Since the air flow is downward, it aids rather than impedes the flow of dust to the hopper to minimize re-entrainment in the dirty air stream. Precise baffling also aids in balancing the air distribution throughout the unit to maximize the cleaning efficiency of each bag.

The unique cleaning system has been designed to minimize compressed air consumption for any given application, but with enough cleaning reserve for the really tough applications.

Lower Maintenance Costs
In addition to minimizing compressed air consumption, the unique cleaning system design of the Model C FabriPulse results in fewer valves.

Access to bags, cages, and venturis is through hinged access doors located on the roof of the collector.

The venturi and cage form an integral assembly requiring no tools for removal. Fabric bags utilize AAF's patented snap band sealing design, again requiring no tools for replacement. The 14-foot bag length results in less replacement time per square foot of media than other types of collectors.

Bag, Cage, and Venturi Assembly

Modular Construction
The Model C FabriPulse features modular construction consisting of the top plenum, the housing section and the hopper section. The plenum section contains the tube sheet and cleaning system which is completely assembled and factory tested.

Lowest Initial Cost
The Model C FabriPulse's superior cleaning system and top inlet permit the selection of higher air-to-cloth ratios that results in the use of a smaller unit, requiring less floor space, to provide the filtration you need.

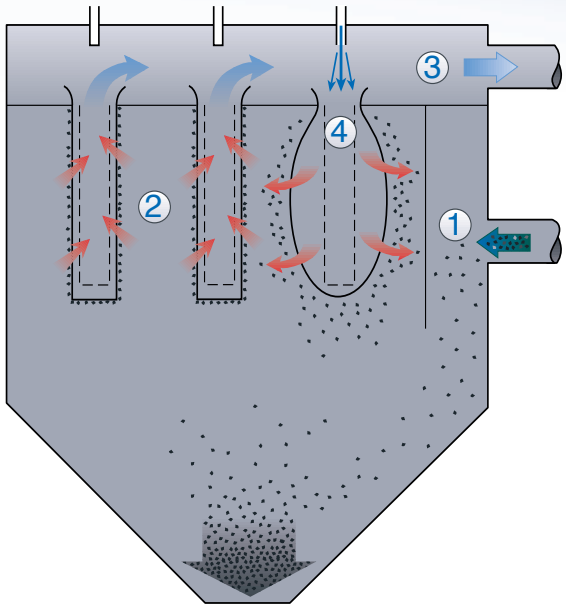
Principle of Operation

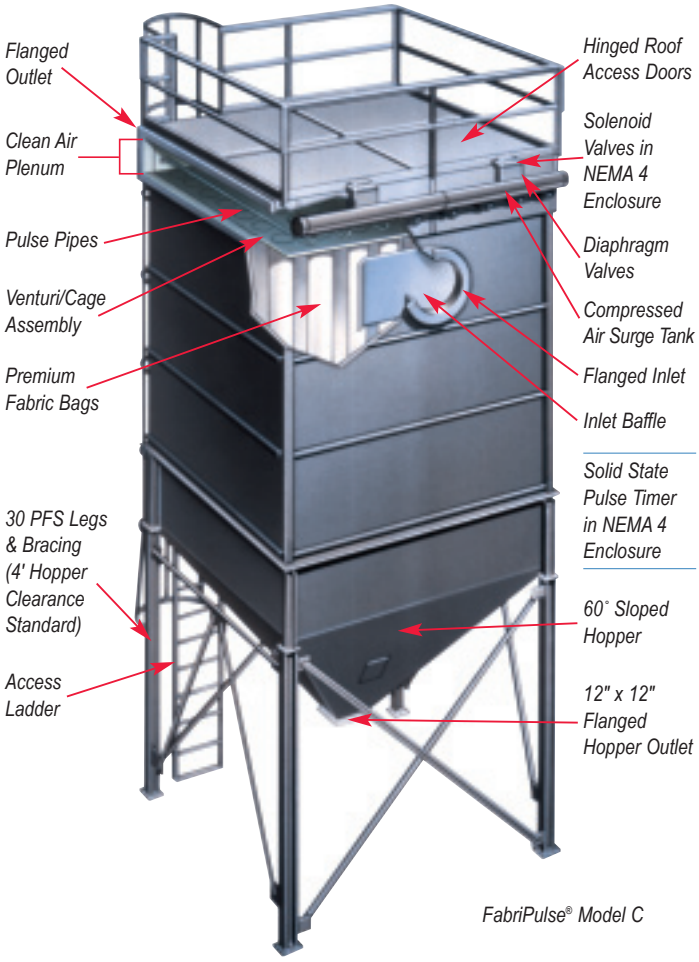
1 Dust laden air is drawn into the inlet and against the inlet baffle allowing the heavier dust to fall directly into the hopper. The incoming air is distributed over a wide portion of the fabric surface.

2 The air is drawn through the fabric bags with the dust collecting on the outside of the bags. The collected dust forms a “cake” which enhances filtering efficiency.

3 Cleaned air flows from the bags and is discharged.

4 The filter bags are reconditioned with pulses of compressed air initiated by a solid-state electronic timer. This pulse of low volume, high pressure air is directed from the surge tank through the pulse pipe located above the bag. As the burst of air passes through the venturi located at the top of the bag, it induces an additional large volume of clean air into the bag, expanding the fabric and breaking the dust filter cake loose. The dislodged dust falls to the hopper below.





FabriPulse® Model C

Standard Options to Meet Your Custom Needs

Leg Extensions
Standard leg height provides a 4-foot clearance below the hopper outlet. Leg extensions in 6-inch increments, providing up to 8-foot hopper clearance, are available.

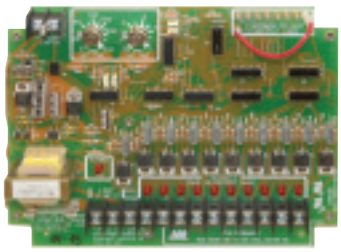
Grounded Bags
For collection of dusts which possess electrostatic characteristics.

NEMA 9 Controls
Solenoid pilot valve enclosure and control enclosure are available with NEMA 9 rating. Standard enclosures are NEMA 4.

Pressure Demand Control
Provides a differential pressure switch in conjunction with the timer control to initiate bag cleaning only when pressure drop across the bag house reaches a preset level. This maximizes collector performance while reducing compressed air consumption.

Sprinkler Systems
Wet or dry systems are available.

Explosion Vents
For negative or positive pressure systems.



Solid-state electronic timer

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Technical Data

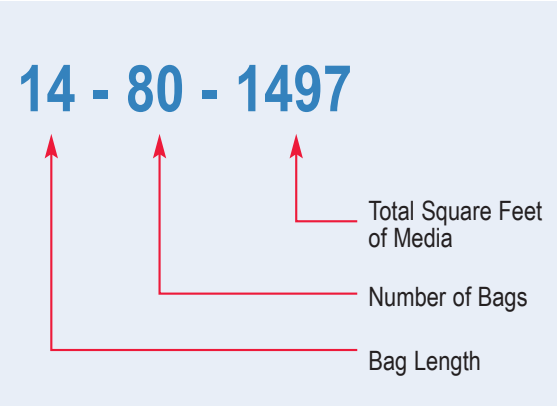
Resistance Across Collector

A fairly constant pressure drop across the collector is maintained because of the continuous cleaning of the bags. The pressure drop will vary with the velocity of air through the media (or air-to-cloth ratio), temperature of the gas stream, dust loading, fineness and characteristics of the dust, and the type of fabric used. In most cases, pressure drop will range from 3 inches to 6 inches, w.g.

Air-to-Cloth Ratio

The volume (CFM) per square foot of fabric is a function of the quantity, physical properties and chemical properties of the dust encountered. Ratios normally will vary between 3:1 and 15:1.

Equipment Size



Other AAF Products:

- *OptiFlo® Cartridge Collectors*
- *Portable Fume Collectors*
- *RotoClone® Wet Collectors*
- *Millennium™ Baghouses*
- *DynaPure® Oil Mist Collectors*
- *AmerDuct Quick-fit Ductwork*
- *DownDraft Benches*

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ISO-9001 Certified Firm

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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