



# FabriPulse® Fusion

Pulse-Jet Fabric Dust Collector

| Leading the Way in Dry Dust Collection Technology



POWERED BY  
**REDClean™** Media



BETTER AIR IS OUR BUSINESS®



REDFiltration™

Reliable Efficient Durable™

# Reliable Efficient Durable™

Dependable.

High Quality.

Ease of Maintenance.

Cost Effective.

Optimal Productivity.

Least Environmental Impact.

Long Lasting.

Tough.

Resistant to Elements.

**AAF**®  
INTERNATIONAL

REDFiltration™



## The Evolution of REDFiltration™

For more than 90 years, AAF International has been providing filtration solutions for industrial processes around the world.

Throughout our rich history, AAF International has pioneered many of the techniques used today to control airborne dust, fume and vapor in virtually every production process. Our constant passion for innovative solutions has led us to offer the most reliable, efficient and durable products available on the market today.

AAF International, a member of DAIKIN Group, also believes in valuing our people, communities and environment. Our ISO 9001 certified facilities utilize lean and green manufacturing to deliver products with short lead times and minimal environmental impact. Our people centered management philosophy enables us to deliver the best customer service and also give back to the communities in which we serve and live.

Trust the Power of RED





## The FabriPulse® Advantage

The AAF FabriPulse® Fusion is the optimum solution to a variety of air quality problems and can be tailored to specific application requirements. With its robust design, the FabriPulse® Fusion is extensively used as an integral part of process filtration and hygiene ventilation in a wide variety of industries and applications.

### Benefits and Features

#### Low Power Consumption

- Minimal bag cleaning leads to lower operating costs and lower motor horsepower

#### Ease of Maintenance

- Designed to decrease the frequency of filter change-outs
- Designed for easier and quicker bag replacement

#### Reduced Emissions

- Meets and exceeds EPA standards while improving indoor air quality

#### Compact Modular Design

- Ease of installation and lower initial costs

#### Lower Flange to Flange Differential Pressure

- Leads to less frequent bag cleaning, lower power consumption and lower compressed air usage

#### Minimum Life Cycle Costs

- All of this combined gives you the lowest maintenance, replacement and operating costs





## Applications

The FabriPulse® Fusion is a cost-effective dust collector for many of today's dust control problems. Capable of handling hot or aggressive dusts through a choice of carefully selected high-performance medias, the FabriPulse® Fusion can now be found in a wide variety of industrial processes and applications.

### **Bulk material production, handling and processing**

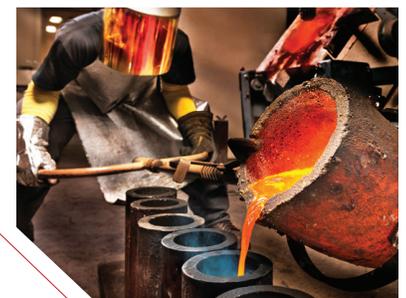
- Metals production: Furnaces, melting, casting, molding
- Woodworking: Cutting, milling, routing, sanding
- Mining and ore production including stone and minerals quarrying and processing: Crushing
- Cement and gypsum production
- Plastics manufacturing
- Carbonaceous materials: Coal, coke, charcoal, carbon black
- Food, salt and organic food processing
- Biomass

### **Nuisance Venting**

- Conveying
- Transfer points
- Filling and packaging

### **Process Gas Filtration**

- Kilns: Cement, gypsum
- Dryers: Lactose production
- Combustion: Boilers Melting



# Available Options and Accessories

## Available Options

- Varying sizes of high performance filter bags
- Sprinkler system
- Alternate bag media
- 72" (1,828.8 mm) hopper clearance
- Factory installed solenoid heaters
- NEMA 9 construction
- Hopper discharge devices
- Hopper transitions
- Compressed air regulator
- High temperature construction
- Bin vent design
- Insertable bin vent design
- Explosion vents
- Trough hopper
- Hopper vibrator
- Hopper level gauge
- Stainless steel construction

## Available Accessories

- Explosion protection equipment
- Fan
- Fan silencer
- Airlocks
- Screw conveyors
- AAF control center
- AAF timer controller
- Custom paint systems
- HEPA/ASHRAE filters and housings

## Available Bag Media Options

- Singed polypropylene
- Polypropylene/polyester
- Polyester
- Polyester with PTFE membrane
- Singed polyester
- Nylon
- Wool
- Acrylic
- Nomex
- Teflon
- Glass

Note: Pleated bag designs also available for some medias



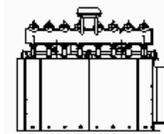
# Dimensions and Specifications

The standard FabriPulse® Fusion units contain filter bags which are either 12 ft (3,660 mm) or 14 ft (4,270 mm) in length. The size of the filter bags is indicated by the first two digits of the size designation in the table below. The second part of the number indicates the number of bags.

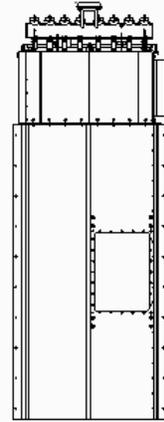
## Bag Length: 12 Feet (3,660 mm)

| Size   | Filtering Area (ft²) | Arrangement Net Weight (lbs) |               |               | Approximate Total Weight (lbs) |               |               | Dimensions    |              |
|--------|----------------------|------------------------------|---------------|---------------|--------------------------------|---------------|---------------|---------------|--------------|
|        |                      | Arrangement A                | Arrangement B | Arrangement C | Arrangement A                  | Arrangement B | Arrangement C | Height A (in) | Width B (in) |
| 12-96  | 1,550                | 1,261                        | 4,463         | 6,595         | 2,319                          | 5,521         | 7,654         | 60            | 305          |
| 12-144 | 2,325                | 1,730                        | 5,486         | 7,807         | 3,317                          | 7,073         | 9,394         | 90            | 305          |
| 12-192 | 3,100                | 2,204                        | 6,595         | 9,186         | 4,321                          | 8,711         | 11,302        | 120           | 305          |
| 12-240 | 3,875                | 2,698                        | 7,635         | 11,132        | 5,344                          | 10,280        | 13,778        | 150           | 305          |
| 12-288 | 4,650                | 3,170                        | 8,660         | 12,348        | 6,345                          | 11,835        | 15,522        | 180           | 305          |
| 12-336 | 5,425                | 3,645                        | 9,769         | 13,642        | 7,348                          | 13,473        | 17,346        | 209           | 305          |
| 12-384 | 6,200                | 4,119                        | 10,879        | 14,975        | 8,352                          | 15,111        | 19,208        | 239           | 305          |
| 12-432 | 6,975                | 4,610                        | 11,834        | 16,887        | 9,372                          | 16,596        | 21,649        | 269           | 305          |
| 12-480 | 7,750                | 5,085                        | 12,943        | 18,181        | 10,376                         | 18,234        | 23,472        | 299           | 305          |
| 12-528 | 8,525                | 5,565                        | 14,058        | 19,521        | 11,386                         | 19,878        | 25,341        | 329           | 305          |
| 12-576 | 9,300                | 6,035                        | 15,161        | 20,809        | 12,384                         | 21,511        | 27,159        | 359           | 305          |
| 12-624 | 10,075               | 6,525                        | 16,117        | 22,720        | 13,404                         | 22,995        | 29,599        | 389           | 305          |
| 12-672 | 10,850               | 7,000                        | 17,226        | 24,015        | 14,408                         | 24,633        | 31,422        | 419           | 305          |
| 12-720 | 11,625               | 7,475                        | 18,335        | 25,349        | 15,412                         | 26,272        | 33,285        | 449           | 305          |
| 12-768 | 12,400               | 7,950                        | 19,444        | 26,643        | 16,415                         | 27,910        | 35,109        | 449           | 305          |

**Arrangement A**



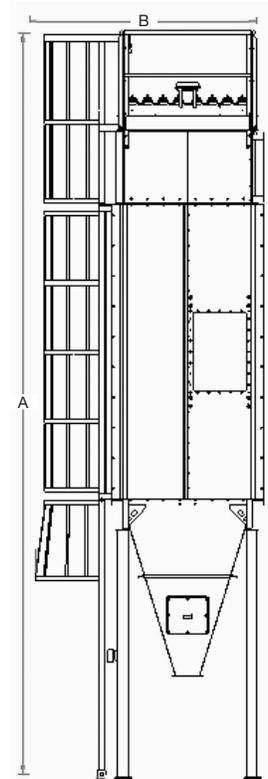
**Arrangement B**



## Bag Length: 14 Feet (4,270 mm)

| Size   | Filtering Area (ft²) | Arrangement Net Weight (lbs) |               |               | Approximate Total Weight (lbs) |               |               | Dimensions    |              |
|--------|----------------------|------------------------------|---------------|---------------|--------------------------------|---------------|---------------|---------------|--------------|
|        |                      | Arrangement A                | Arrangement B | Arrangement C | Arrangement A                  | Arrangement B | Arrangement C | Height A (in) | Width B (in) |
| 14-96  | 1,808                | 1,261                        | 5,008         | 7,131         | 2,319                          | 6,278         | 8,401         | 60            | 335          |
| 14-144 | 2,713                | 1,730                        | 6,119         | 8,430         | 3,317                          | 8,023         | 10,335        | 90            | 335          |
| 14-192 | 3,617                | 2,204                        | 7,316         | 9,897         | 4,321                          | 9,855         | 12,437        | 120           | 335          |
| 14-240 | 4,521                | 2,698                        | 8,443         | 11,932        | 5,344                          | 11,618        | 15,106        | 150           | 335          |
| 14-288 | 5,425                | 3,170                        | 9,556         | 13,234        | 6,345                          | 13,366        | 17,044        | 180           | 335          |
| 14-336 | 6,329                | 3,645                        | 10,753        | 14,617        | 7,348                          | 15,198        | 19,061        | 209           | 335          |
| 14-384 | 7,233                | 4,119                        | 11,950        | 16,038        | 8,352                          | 17,030        | 21,117        | 239           | 335          |
| 14-432 | 8,138                | 4,610                        | 12,993        | 18,037        | 9,372                          | 18,708        | 23,751        | 269           | 335          |
| 14-480 | 9,042                | 5,085                        | 14,190        | 19,419        | 10,376                         | 20,539        | 25,768        | 299           | 335          |
| 14-528 | 9,946                | 5,565                        | 15,393        | 20,846        | 11,386                         | 22,377        | 27,830        | 329           | 335          |
| 14-576 | 10,850               | 6,035                        | 16,584        | 22,223        | 12,384                         | 24,203        | 29,842        | 359           | 335          |
| 14-624 | 11,754               | 6,525                        | 17,627        | 24,221        | 13,404                         | 25,881        | 32,476        | 389           | 335          |
| 14-672 | 12,658               | 7,000                        | 18,824        | 25,604        | 14,408                         | 27,713        | 34,493        | 419           | 335          |
| 14-720 | 13,563               | 7,475                        | 20,021        | 27,025        | 15,412                         | 29,545        | 36,549        | 449           | 335          |
| 14-768 | 14,467               | 7,950                        | 21,218        | 28,408        | 16,415                         | 31,377        | 38,567        | 449           | 335          |

**Arrangement C**



48"/1,219 mm  
hopper clearance

### NOTES

1. Please contact your sales representative for metric dimensions and specifications.
2. Availability of sizes and options may vary by region.
3. Net weight does not include bags, cages or dust.
4. Total weight includes cages and bags, but not dust.

# Reliable, Efficient, Durable

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