

# 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.





## 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

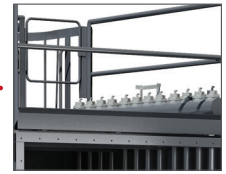
## Available Accessories

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

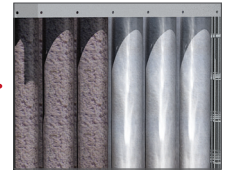
## Available Bag Media Options

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

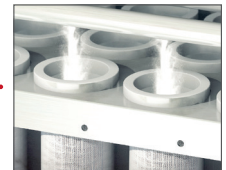
Note: Pleated bag designs also available for some medias



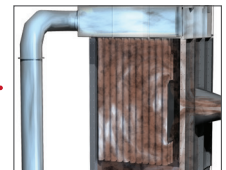
Easy maintainable and accessible compressed air components



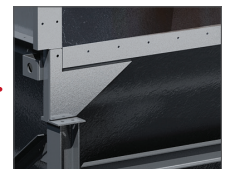
Low tube plate resistance due to bag spacing design



Maximized compressed air cleaning



Optimum flow distribution



Rugged construction for even the toughest application



Extended hopper clearance for all hopper discharge options

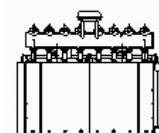
# Dimensions and Specifications

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.

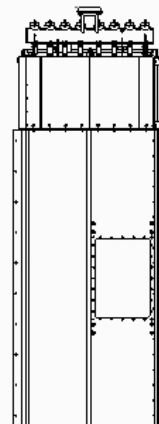
## Bag Length: 12 Feet (3,660 mm)

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



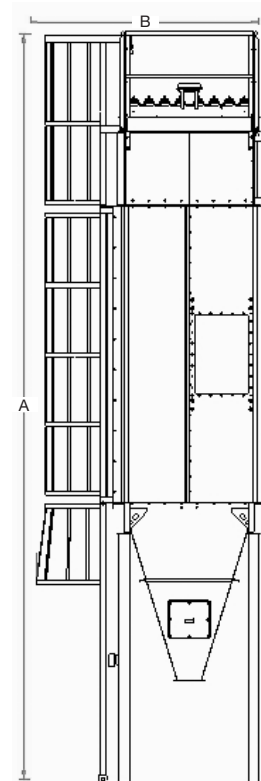
## Arrangement B



## 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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