

PulsePak® Prime

The Most Efficient Cartridge
Collector on the Market

| Leading the Way in Dry Dust Collection Technology



POWERED BY
REDClean® Media



BETTER AIR IS OUR BUSINESS®



RED Filtration™

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
RED Filtration™



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 PulsePak® Prime Advantage

The PulsePak® Prime combines true DOWNFLOW of the incoming dust-laden air with the unobstructed “free-fall” of the dislodged dust to the hopper. As a result, the PulsePak® Prime operates with less internal turbulence and, therefore, a lower differential pressure than competitive designs.

The PulsePak® Prime's unique filter cartridge arrangement provides a more compact design, which allows for maximum flexibility when meeting space requirements. Large hinged access doors allow for minimized inspection and cartridge change-out time since multiple filter cartridges can be externally accessed through one door.

By using a venturi design, the PulsePak® Prime cleans more efficiently. The PulsePak® Prime is equipped with REDClean® Media, allowing it to offer best-in-class filtration. Many different media options are also available.

Features and Benefits

- REDClean® panel pak allows for great performance where dust loadings are high
- DOWNFLOW design for better dust drop out
- Vertically arranged panel paks allow unobstructed discharge of dust to hopper
- Single gasket sealing surface reduces chance of leakage
- Compared to a baghouse in similar application, the PulsePak® Prime has the following advantages:
 - Compact design takes up less floor space
 - Shorter height means reduction in transportation cost and inside facilities with low headroom
 - Fewer filters for lower cost of replacements
 - Front access and the tool-less filter change-out minimizes filter change-out time to keep operations running
 - Higher efficiency with a REDClean® N media than a polyester bag filter

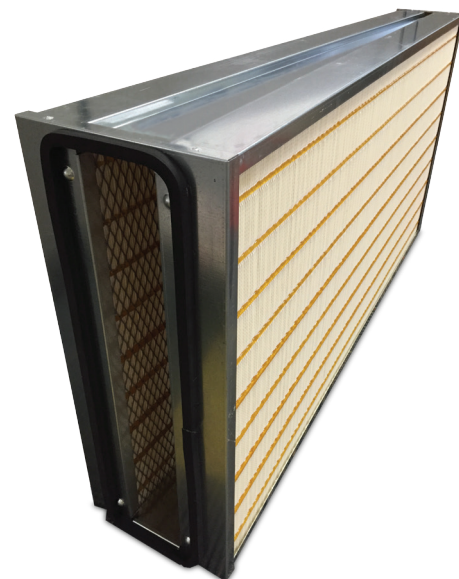
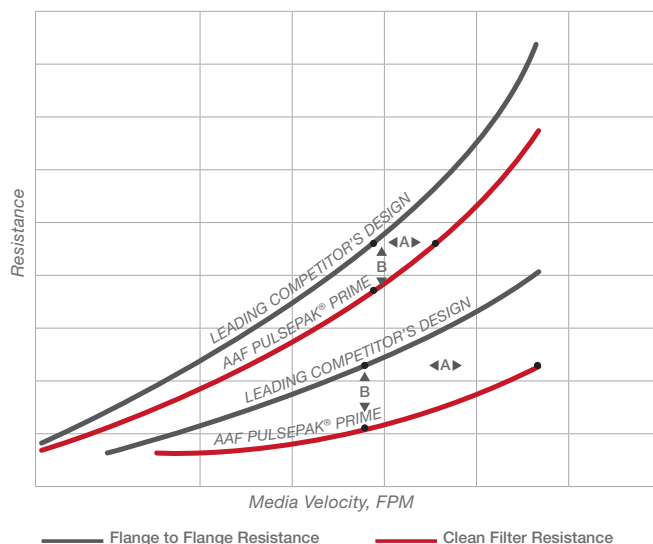


PulsePak® Prime Performance Characteristics

A. At a specific resistance, the PulsePak® Prime media velocity rating can be 50% higher than competitors. (◀A▶)

OR

B. At a specific media velocity rating, the PulsePak® Prime resistance can be less than half of competitor products. (◀B▶)



The ONLY DOWNFLOW cartridge collector on the market that uses **100%** of the media, **100%** of the time.



Applications

Ceramics

- Materials handling
- Spraying

Chemicals

- Materials handling
- Bin ventilation

Grain

- Materials handling
- Bin ventilation

Metalworking

- Welding fume
- Metalizing

Pharmaceuticals & Food Products

- Mixing, weighing, blending, packaging
- Coating pans
- Sugar handling

Rubber and Plastics Products

- Batchout rolls
- Talc dusting
- Grinding and buffing
- Plastic finishing

Woodworking

- Sanding

Miscellaneous

- Bakeries
- Coal
 - Bunker ventilation
- Cosmetics
- Lead battery plants
- Metal powders
- Welding fume

Available Options

- Explosion vents
- Sprinkler system
- Alternate cartridge media
- 72" (1,828.8 mm) hopper clearance
- Factory installed solenoid heaters
- NEMA 7 & 9 construction
- Hopper discharge devices
- Hopper transitions
- Access platform and ladder
- Compressed air regulator

Available Accessories

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

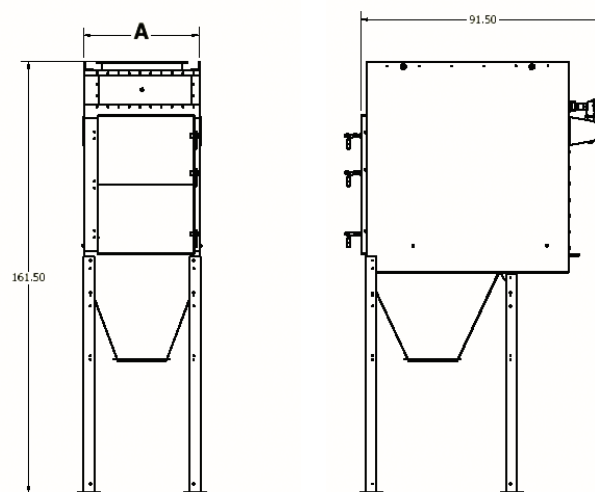
Notes:

Expected operating differential pressure will vary from 2" WG (0.5 kpa) to 3" WG (0.75 kpa) depending on dust concentration, type of dust and media velocity.

Dimensions and Specifications

PulsePak® Prime Dimensions

The PulsePak® Prime is available in seven basic modules, four with the panels arranged three high (3H) and three with the panels arranged two high (2H). The modules range in media area from 3,000 square feet/279 square meters with six filter cartridges, to 9,000 square feet/836 square meters with 18 cartridges. Hopper capacities range from 21 cubic feet/.6 cubic meters to 45 cubic feet/1.27 cubic meters each. Modular in construction, the basic modules are combined to form larger sizes to meet any design requirement.



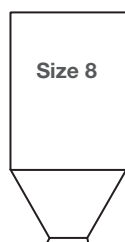
48" (1,219.2 mm) hopper clearance

2H Units

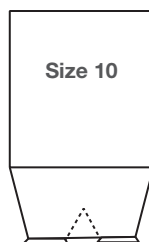
Model	A (in)	A (mm)	Media Area (ft²)	Media Area (m²)	Approx. Wt. (lbs)	Approx. Wt. (kg)
6-2H	3' 7-1/2"	1.095	3,000	279	2,270	1,030
8-2H	4' 8-7/18"	1.434	4,000	372	2,700	1,225
10-2H	5' 9-3/4"	1.772	5,000	465	3,190	1,447
16-2H	9' 4-7/8"	2.867	8,000	743	5,180	2,350
20-2H	11' 7-1/2"	3.543	10,000	929	6,175	2,801
24-2H	14' 1-5/16"	4.301	12,000	1,115	7,730	3,506
28-2H	16' 3-15/16"	4.977	14,000	1,301	8,730	3,960

NOTE Size 10 has a double hopper outlet.

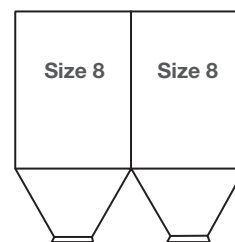
Modular Construction 2H Units



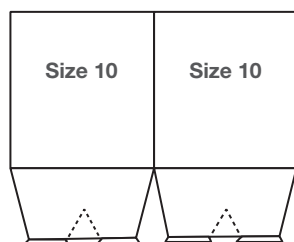
Size 8-2H



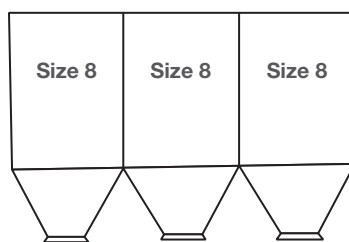
Size 10-2H



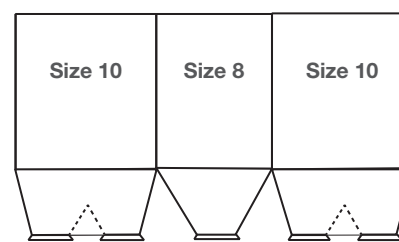
Size 16-2H



Size 20-2H



Size 24-2H



Size 28-2H

3H Units

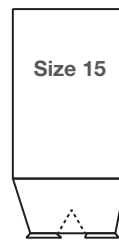
Model	A (in)	A (mm)	Media Area (ft²)	Media Area (m²)	Approx. Wt. (lbs)	Approx. Wt. (kg)
9-3H	3' 7-1/8"	1.095	4,500	418	3,585	1,626
12-3H	4' 8-7/16"	1.434	6,000	557	4,270	1,937
15-3H	5' 9-3/4"	1.772	7,500	697	5,035	2,284
18-3H	6' 11-1/16"	2.110	9,000	836	5,800	2,631
24-3H	9' 4-7/8"	2.867	12,000	1,115	8,430	3,824
27-3H	10' 6-3/16"	3.205	13,500	1,254	9,195	4,171
30-3H	11' 7-1/2"	3.543	15,000	1,394	9,880	4,481
33-3H	12' 8-13/16"	3.881	16,500	1,533	10,645	4,828
36-3H	13' 10-1/8"	4.220	18,000	1,672	11,410	5,175
42-3H	16' 3-15/16"	4.977	21,000	1,951	14,040	6,368
45-3H	17' 5-1/4"	5.315	22,500	2,090	14,725	6,679

NOTE Sizes 15 and 18 have a double hopper outlet.

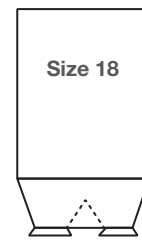
Modular Construction 3H Units



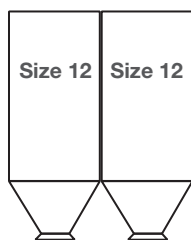
Size 12-3H



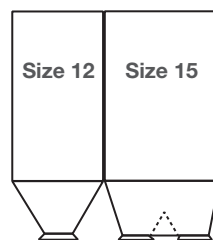
Size 15-3H



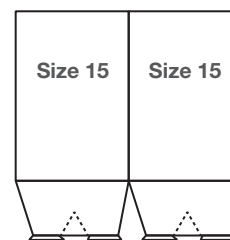
Size 18-3H



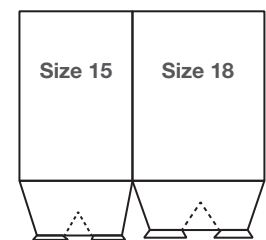
Size 24-3H



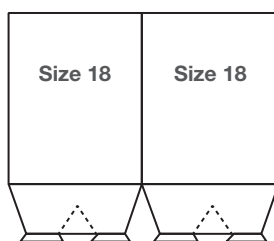
Size 27-3H



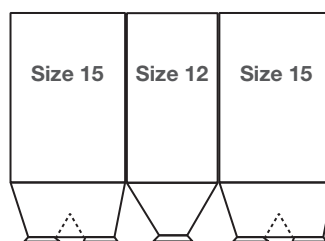
Size 30-3H



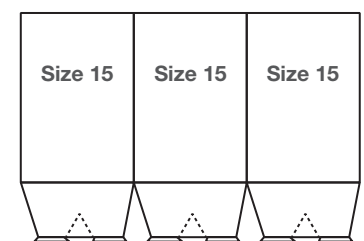
Size 33-3H



Size 36-3H



Size 42-3H



Size 45-3H

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