

# PULSATRON PFV SERIES

## Pulse Jet Cartridge Dust Collectors



**To gain the best performance in your cartridge dust collector, look for these features:**

### Vertically-Oriented Cartridges

The Pulsatron's large-capacity filters are positioned vertically for full, even dust loading and also for optimal cleaning, allowing the dust to fall unobstructed straight down to the hopper.

### Ultra-Efficiency Nanofiber Filter Media

Rated at MERV 15 efficiency, the Pulsatron's cartridge filters operate at a 40-60% lower pressure drop than traditional cartridge medias, resulting in lower energy consumption and a longer filter life. The media is tightly meshed of ultra-fine fibers 300 to 500 nanometers in diameter, effectively screening out sub-micron particles and assuring easy release of the dust cake during the cleaning cycle. For special needs, application-specific media options are also available.

### Effective Automatic Cleaning

For most applications, the Pulsatron's reverse-pulse system, vertical cartridges, and efficient media provide efficient top-to-bottom filter cleaning, assuring consistent performance and long filter life. In addition, for extra-demanding applications, the optional Filter 1 Linear Blaster will double the spread of air in the cartridge during the cleaning cycle.

# ***FILTER 1***

### Broad-Spectrum Dust Collection

Why do we call the Pulsatron our multi-purpose dust collector?

Because, for most types of industrial dust,\* a high-efficiency cartridge collector sized to fit is simply the best answer.

### Types of Dust

- Medium to fine particulate
- Light to heavy loading
- Various non-volatile\* materials, including wood dust, composites, cement, dry powder, sand, plastic, smoke, toner, welding particulate

### Typical Processes

- Grinding
- Sanding
- Welding / Soldering
- Blasting
- Foundry
- Metal Fabrication
- Powder Coating
- Metallizing

\*For potentially hazardous dust, the Filter 1 Hydrotron Series of Wet Collectors provides safe, efficient collection.



**1-800-289-0189**

**Cartridge Dust Collectors**

**CUSTOM SPECIALISTS FOR INDUSTRIAL NEEDS**

# PULSATRON PFV SERIES

High-Efficiency Continuous Duty Cartridge Dust Collector



**State-of-the-Art Collectors Built to Fit the Application, Every Time.**

## Features

- Ultra-efficient Nanofiber Standard Cartridge Media
- Automatic Reverse Power Pulse Jet On-line Cleaning, Sequenced by Solid State Controller
- Silencer Box Included in the Blower Package
- Backward-Inclined Direct Drive Blowers for Quiet, Efficient Operation
- 3PH TEFC Motor on Rubber Vibration Mounts
- Heavy Gauge All-Welded Cabinet with Industrial Blue Enamel Finish

*Filter 1 has a policy of continuous design improvement and reserves the right to update designs and specifications without notice.*

## Options

- Filter Media, Incl. 80/20 Blends, Spun Bond Polyester, Phenolic or PTFE Coated, High Temp, Metal Impregnated
- Hopper Slide Gate
- Sprinkler Heads
- Magnetic Motor Starters
- Safety After Filters (HEPA, Carbon) with Audible or Visible Alarms
- Hopper Outlets
- Rotary Air Locks
- Magnehelic Gauge
- Fussed Disconnect
- 55-Gallon Drum Kits
- Explosion Latches
- High-Temp Cut-Off
- Abrasive Inlet
- Linear Blaster Enhanced Filter Cleaning
- Cleaning: Automatic Off-line, Photohelic On-Demand, Manual Switch, or Continuous
- One Pulse Valve Per Cartridge (For Heavy-Duty Applications)
- VFC Control of Motor

## Pulsatron PFV Series

MODEL	# OF CART	FILTER SQ FT	CFM - Air to Cloth Ratings			Dimensions WxHxD(IN) *
			1.5	2.5	3.5	
PFV-1	1	250	375	625	875	20X73X20
PFV-2	2	500	750	1250	1750	32X73X20
PFV-3	3	750	1125	1875	2625	48X83X20
PFV-4	4	1000	1500	2500	3500	32X83X32
PFV-6	6	1500	2250	3750	5250	48X112X32
PFV-8	8	2000	3000	5000	7000	64X112X32
PFV-10	10	2500	3750	6250	8750	75X112X32
PFV-12	12	3000	4500	7500	10500	96X112X32
PFV-14	14	3500	5250	8750	12250	112X112X32
PFV-16	16	4000	6000	10000	14000	64X124X64
PFV-18	18	4500	6750	11250	15750	96X124X48
PFV-20	20	5000	7500	12500	17500	75X124X64
PFV-24	24	6000	9000	15000	21000	96X124X64
PFV-32	32	8000	12000	20000	28000	120X124X64
PFV-36	36	9000	13500	22500	31500	139X124X64
PFV-40	40	10000	15000	25000	35000	150X124X64
PFV-44	44	11000	16500	27500	38500	165X124X64
PFV-48	48	12000	18000	30000	42000	180X124X64

Larger Sizes Available: Consult Factory

\*When Depth = 32" doors on front; when depth = 64" doors on both front & back. Clearance of 24" needed to open doors.

# FILTER 1

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