

## FDF Fine Dust Filter

Compact dust collector combining the coarse filtration capability with the high efficiency of a bag filter

### Applications

The FDF Fine Dust Filter is a versatile filter with broad application in many industries:

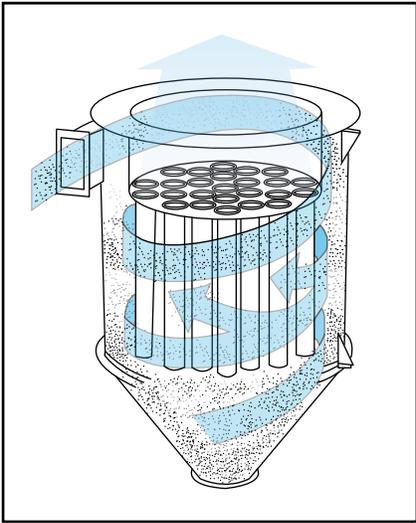
- Textiles-by separately collecting fine dust from your lint and dust control system, the quality and value of fibrous waste is increase.
- Process industries, as a receiver on a dust delay line.
- Fume control at welding stations.
- Wood processing, high grain loading filter for small plants or for adding incremental capacity.



### Simple, low maintenance operation

Dust laden air enters the unit through a tangential inlet where an inner cylinder induces cyclonic flow. This cyclonic flow causes larger particles to separate from the air stream and fall into the hopper. The remaining fine particles collect on the filter elements.

Periodically, the elements are cleaned by back-pulsing compressed air through a high efficiency pulsing system to maintain desired ΔP. The cleaning system uses only 0.5 SCF of standard plant air. Clean air from inside the filter elements exits out of the top of the unit.



### Features and benefits

- Greater than 99% filtration efficiency.
- Pulse cleaning manifold is hinged, allowing easy access for filter element replacement. If headroom is tight, manifold can be removed.
- The FDF filter can be mounted on the floor or suspended from the ceiling.
- Can be configured for manual or automatic removal of collected dust.
- Weighted bag cages prevent premature bag wear.
- Mikro-Pleat™ filter cartridges may be substituted for filter bags to improve efficiency or abrasion resistance.
- Optional duct discharge cover allows outside or negative installation.

Performance and utilities <sup>1</sup>				Dimensions and weight <sup>2</sup>			
Model size	No. bags	ACFM	Air usage <sup>3</sup> SCFA/Pulse	A	B	Inlet W X H	Weight Lbs.
FDF-1000	28	1,000	0.5	4'6"	6.5"	5" x 8"	579
FDF-1750	28	1,750	0.5	6'6"	9.5"	5" x 14"	686
FDF-2500	28	2,500	0.5	7'6"	10.5"	6" x 16"	793

1. 120 VAC, all models  
 2. Dimensions and weights are nominal. Please consult factory for exact dimensions.  
 3. @ 80 psig

