

FDF Fine Dust Filter

Compact dust collector combines the coarse filtration capability of a cyclone with the high efficiency of a bag filter.

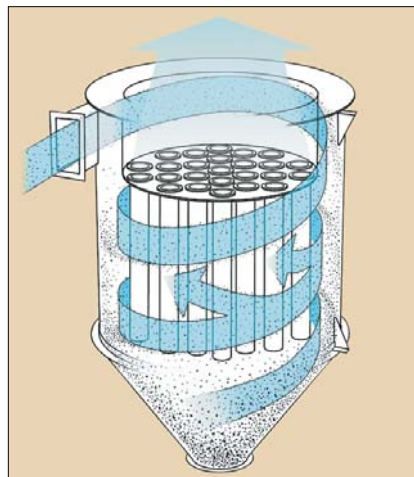
Simple, Low Maintenance Operation

Dust laden air enters the unit through a tangential inlet. An inner cylinder induces cyclonic flow, causing 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 the top of the unit.

Features

- 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.
- 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-Pleet™ filter cartridges may be substituted for filter bags to improve efficiency or abrasion resistance.
- Optional duct discharge cover allows outside or negative installation.

Applications

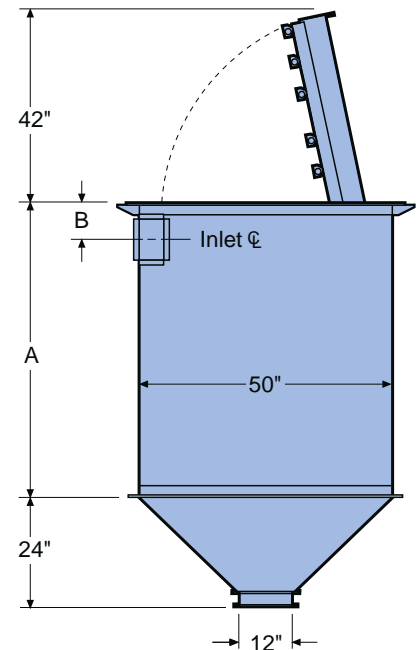
The FDF is a versatile filter with broad application in many industries:

- Process industries—as a receiver on a dust relay line.
- Fume control at welding stations.
- Wood Processing—high grain loading filter for small plants or for adding incremental capacity.

The FDF filter was developed by Pneumafil Corporation, which is affiliated with Mikropul.

Performance and Utilities ¹				Dimensions and Weight ²			
Model Size	No. bags	ACFM	Air Usage ³ 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



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