



AIR CONTROL INDUSTRY

HIGHEST PRODUCT QUALITY FOR BEST AIR QUALITY



FLEX “POLYFLAT FILTER”

WASHABLE METAL FILTER

PRE-FILTER:

- ▶ Flex “FPF-G2-F6” has Long lasting metallic frame construction which offers great resistance in harsh operating conditions.
- ▶ The filter media is constructed from selected high performance, non-breakable fibers in a progressive density multi layering technique to ensure maximum depth loading.
- ▶ Particularly applicable in high humidity or coastal areas where disposable filters are quickly degraded.
- ▶ Best for low velocity applications & FCU.
- ▶ Owing to excellent dust holding capacity, it can be used as pre filter to protect higher efficiency filters.



- ▶ Made of synthetic fibers and characterized by a relatively low resistance to airflow, reduces risk of fire and easy to install. UL 900 rated filter and Self-extinguishing media according to DIN -53438F1.
- ▶ Available in G2,G3,G4 or F5 grade.
- ▶ The filter can be cleaned with compressed air (Low pressure) once or twice during its natural lifetime. It can be cleaned with a solution of water and detergent on a limited basis.
- ▶ Particularly applicable in high humidity or coastal areas where disposable filters are quickly degraded.
- ▶ Due to their light weight and compact size they are relatively inexpensive to ship and easy to handle and install.
- ▶ Robust construction for high velocity operation.
- ▶ No risk of media migration.
- ▶ Standard frame is made of galvanized steel (ask for aluminium or SS).
- ▶ Available in all sizes, please ask !!

APPLICATIONS

- ▶ General air handling unit
- ▶ Air conditioning systems
- ▶ Ventilation systems of all kinds
- ▶ Hospital
- ▶ Biomedical / Laboratories
- ▶ Pharmaceutical
- ▶ Universities
- ▶ Cement plants / Chemical plants

Technical specifications	
Model	FPF
Type	Polyflat filter
Media	Non-woven high lofted synthetic (polyester) media
Frame	Galvanized steel standard(AL/SS optional)
Filter Grade (EN 779)	G2 , G3 , G4
Filter Grade (ASHRAE 52.2)	MERV 4 , MERV 6 , MERV 8
Frame depth (inches)	½", 1"
Maximum humidity	100%
Maximum temperature	80°C
Maximum final pressure drop	1.00" wg
Flammability	UL 900 Classified
Mounting options	Front and side access frames and housings are available

NOTE :

- ▶ Non-standard sizes are available on request.
- ▶ Due to continuous improvements, Air Control Industry holds the right to make technical changes without prior notice.



SELECTION CHART

Nominal dimension W x H x D (inches)	Actual dimensions (inches)			Rated flow capacity		Initial resistance (inches W.G)		
				CFM	CMH	G2 MERV4	G3 MERV6	G4 MERV8
	Width	Height	Depth	Vel@ 500fpm	Vel@ 2.54m/s			
24" x 24" x 1"	23.30	23.30	0.86	2000	3400	0.39	0.49	0.56
24" x 20" x 1"	23.30	19.30	0.86	1650	2800	0.39	0.49	0.56
24" x 12" x 1"	23.30	11.30	0.86	1000	1700	0.39	0.49	0.56
24" x 24" x 1/2"	23.30	23.30	0.48	2000	3400	0.41	0.52	0.58
24" x 20" x 1/2"	23.30	19.30	0.48	1650	2800	0.41	0.52	0.58
24" x 12" x 1/2"	23.30	11.30	0.48	1000	1700	0.41	0.52	0.58

MODEL SELECTION GUIDE

- ▶ PPF-24x24x2-G4
- ▶ F - Flex
- ▶ PF - Polyflat filter
- ▶ G4 - Grade

Engineered Air Distribution Products

Highest product quality for best air quality

AIR GRILLES | AIR DIFFUSERS | LOUVERS | FILTERS | DAMPERS

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THANKS FOR YOUR BUSINESS

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