



AIR CONTROL INDUSTRY



SYNTHETIC PLEATED FILTER



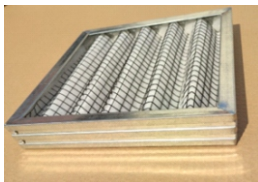
WASHABLE METAL FILTER

PRE-FILTER

- ▶ Flex "FSP-G2-G4" has Long lasting metallic frame construction which offers great resistance in harsh operating conditions.
- ▶ This model has low initial resistance and the media has ability to depth load rather than surface load resulting in gradual resistance build up increasing the service life of the filter.
- ▶ 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 (MERV 4) to G4 grade (MERV 8).
- ▶ 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.
- ▶ Inert to most chemicals and fumes.
- ▶ No risk of media migration.
- ▶ Media consists of selected high performance, non-breakable fibers in a progressive density multi layering technique to ensure maximum depth loading.
- ▶ Multiple layer of media offer maximum expanded filter surface and lower pressure drop.
- ▶ 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	FSP
Type	Synthetic pleated filter
Media	Non-woven high lofted synthetic (polyester) media
Frame	Galvanized steel standard(AL/SS optional)
Filter Grade (EN 779)	G3 , G4
Filter Grade (ASHRAE 52.2)	MERV 6 , MERV 8
Frame depth (inches)	2
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)			Air Flow		Initial resistance (inches W.G)	
				CFM	CMH		
	Width	Height	Depth	500fpm	2.54m/s	G3 MERV6	G4 MERV8
12" x 12" x 2"	11.30	11.30	1.89	500	850	0.28	0.34
12" x 24" x 2"	11.30	23.30	1.89	1000	1700	0.28	0.34
20" x 24" x 2"	19.30	23.30	1.89	1650	2805	0.28	0.34
24" x 24" x 2"	23.30	23.30	1.89	2000	3400	0.28	0.34

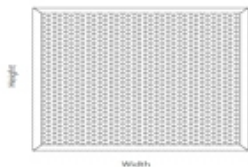
MODEL SELECTION GUIDE

- FSP-24x24x2-G4
- F - Flex
- SP – Synthetic pleated filter
- G4 – Grade

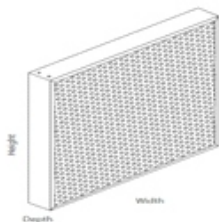


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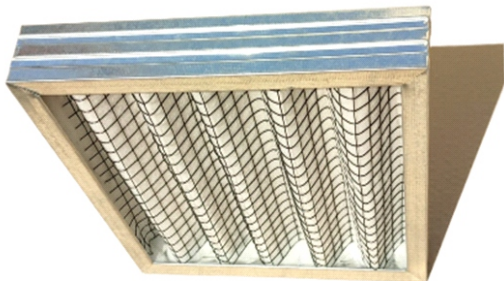
SIZE SELECTION



Front View



General Isometric view



ACI



Engineered Air Distribution Products

Highest product quality for best air quality

AIR GRILLES | AIR DIFFUSERS | LOUVERS | FILTERS | DAMPERS

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Due to a policy of continuous product development the specification and details contained herein are subject to alteration without prior notice

THANKS FOR YOUR BUSINESS