

Filtro Flow

Deep Pleated Rigid Box Filters



Key Features

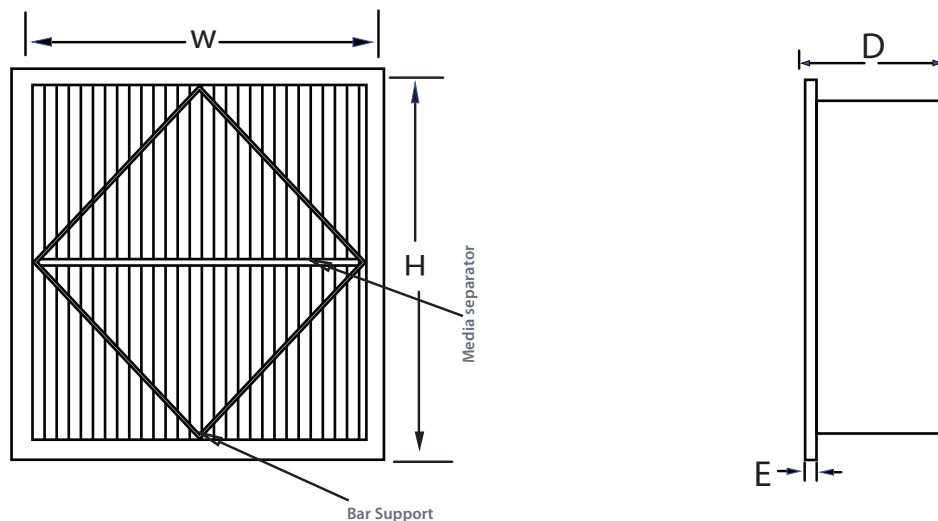
- Low pressure drop
- Long service life
- Easy installation
- Deep pleated media
- Large filter surface area
- **UL Listed**

- ▼ **Filter Standard** ASHRAE 52.2 / EN:779 / ISO 16890
- ▼ **Frame** GI / Plastic
- ▼ **Frame Style** No header / Single header / Double header
- ▼ **Media** Synthetic / Glass fiber
- ▼ **Separator** Plastic
- ▼ **Efficiency** M5 to F8 / MERV9 to MERV14
- ▼ **Max. operating temperature** 80°C / 176°F
- ▼ **Final Pressure Drop** 450 Pa / 1.8" WG

Filtro Flow medium to high efficiency extended surface deep pleated rigid box filters are manufactured from a new generation range of inherently anti-microbial, high lofted synthetic fiber filter media or micro-fine glass fiber filter media. It is capable of removing contaminants such as bacteria, fungi, fumes, smoke etc. from the air stream and is an ideal fine filter for HVAC systems installed in hospitals, laboratories, food processing and pharmaceutical units, computer rooms, optical and electronic facilities, airports terminals, public buildings etc.

Construction

Filtro Flow model FFPS is made up of superior grade synthetic media and FFPG with micro-fine glass fiber filter media. In both models, the filter media is laminated with an expanded metal mesh having 98% open area which provides adequate strength to the pleated media pack, supports the media and gives rigidity to the pleats. The three stage media arrangement which consist of coarse fibers upstream, micro-fine fibers downstream and scrim backing to prevent fiber migration, offers high dust holding capacity and filtration efficiency. Filtro Flow is designed for use in systems with variable air volume and offers excellent filtration performance combined with high dust holding capacity and suitable for applications where highest degree of air cleanliness is required. The aerodynamic filter design by radial V pleats with die-cut pleat stabilizers results in a rigid and stable filter offering consistent performance under various operating conditions. The deep pleated media pack is encased in a metal frame and all the four edges of media are properly bonded to the frame to ensure a leak free operation. Filtro Flow is available in all standard sizes, box style construction or with single/double header frames.



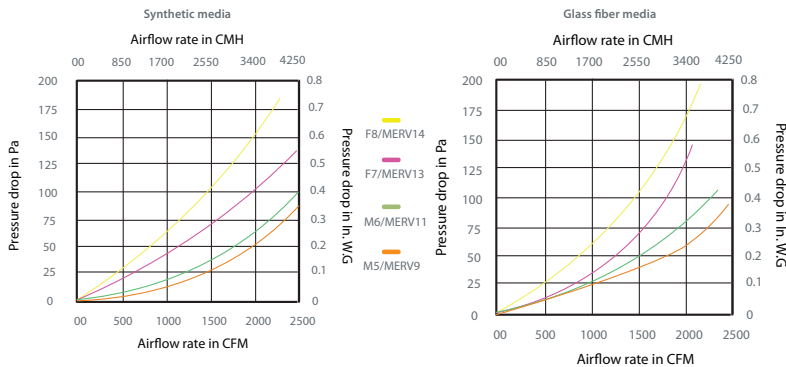


Performance Data

Filter Model	Nominal Size (Inches)	Actual Size (mm)	Air Flow (CFM/CMH)	Initial Resistance to Air Flow (Pa / in. WG)			
				95%/F8/MERV14	85%/F7/MERV13	65%/M6/MERV11	55%/M5/MERV9
Synthetic Media							
FFPS-"EFF"*-44-12	24x24x12	592x592x292	2000/3400	154/0.61	103/0.41	69/0.27	53/0.21
FFPS-"EFF"*-24-12	12x24x12	287x592x292	1000/1700	154/0.61	103/0.41	69/0.27	53/0.21
FFPS-"EFF"*-04-12	20x24x12	490x592x292	1706/2900	154/0.61	103/0.41	69/0.27	53/0.21
FFPS-"EFF"*-22-12	12x12x12	287x287x292	500/850	154/0.61	103/0.41	69/0.27	53/0.21
FFPS-"EFF"*-44-6	24x24x6	592x592x150	1000/1700	128/0.51	67/0.26	43/0.17	31/0.12
FFPS-"EFF"*-24-6	12x24x6	287x592x150	500/850	128/0.51	67/0.26	43/0.17	31/0.12
FFPS-"EFF"*-04-6	20x24x6	490x592x150	850/1450	128/0.51	67/0.26	43/0.17	31/0.12
Glass Fiber Media							
FFPG-"EFF"*-44-12	24x24x12	592x592x292	2000/3400	171/0.68	133/0.53	79/0.31	58/0.23
FFPG-"EFF"*-24-12	12x24x12	287x592x292	1000/1700	171/0.68	133/0.53	79/0.31	58/0.23
FFPG-"EFF"*-04-12	20x24x12	490x592x292	1706/2900	171/0.68	133/0.53	79/0.31	58/0.23
FFPG-"EFF"*-22-12	12x12x12	287x287x292	500/850	171/0.68	133/0.53	79/0.31	58/0.23
FFPG-"EFF"*-44-6	24x24x6	592x592x150	1000/1700	130/0.52	101/0.40	58/0.23	31/0.12
FFPG-"EFF"*-24-6	12x24x6	287x592x150	500/850	130/0.52	101/0.40	58/0.23	31/0.12
FFPG-"EFF"*-04-6	20x24x6	490x592x150	850/1450	130/0.52	101/0.40	58/0.23	31/0.12

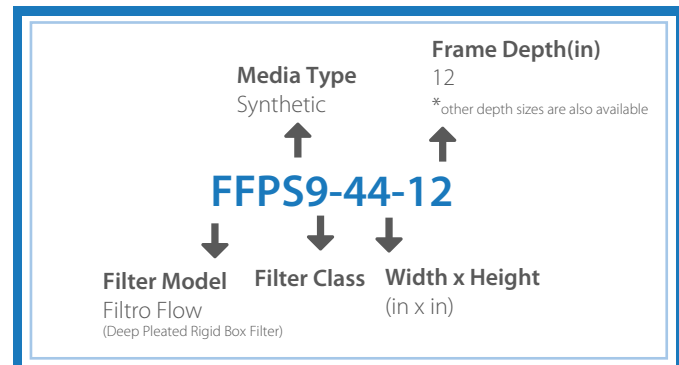
Note: Other sizes having filter face size 20x24" operates at 80% air volume and filter face 12x24" operates at 50% of air volume of 24x24". Pressure drop remains the same.

Airflow vs Initial Resistance



Model Details Breakdown

*Filter size 592 x 592 x 292



Frame	GI / Plastic
Media	Synthetic / Glass fiber
Separator	Plastic
Header	Available in 20mm and 25mm

Max. operating temp.	80°C / 176°F
Colour	Blue (if plastic)
Final pressure drop	450 Pa / 1.8" WG
Nominal Air Flow	2000 CFM / 3400 CMH
Efficiency standard	ASHRAE 52.2 / EN : 779 / ISO 16890

Our Group Companies and Global Network

