Filtrowin Industries

Filtro Pac

Synthetic Meltblown Pocket Filters

Key Features

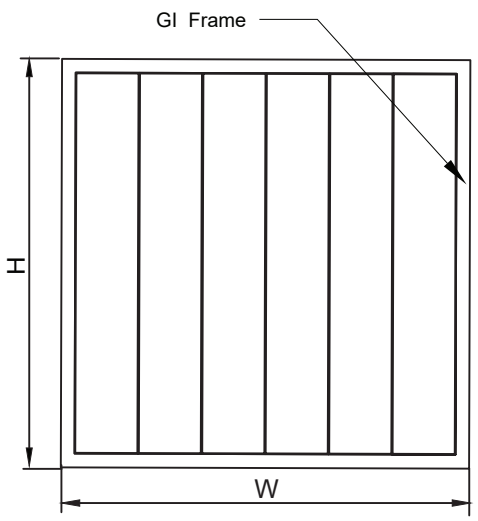
- Large filter surface
- Less maintenance and energy consumption
- Fully incinerable without pollutant emission
- Low pressure drop
- Easy installation
- Long service life
- **UL Listed**

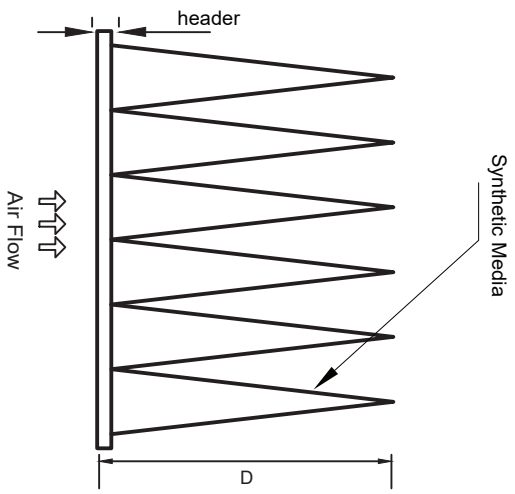
- **Filter Standard** ASHRAE 52.2 / EN 779 / ISO 16890
- **Frame Type** Metal or Plastic
- **Header** 20mm & 25mm
- **Media** Synthetic
- **Efficiency** G4 to F9 / MERV8 to MERV15
- **Max. Operating Temperature** 80°C / 176°F
- **Final Pressure Drop** Max 450 Pa / 1.8" WG
- **Gasket** Without (available upon request)

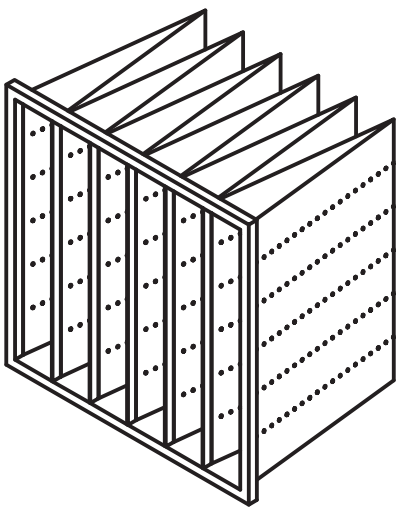
Filtro Pac medium to high efficiency extended surface pocket filters are manufactured from a new generation range of inherently antimicrobial high-loft synthetic fiber filter media. Filtro Pac offers excellent filtration performance combined with high dust holding capacity and suitable for applications where highest degree of air cleanliness is required. Filtro Pac is capable of removing contaminants such as bacteria, fungi, fumes, smoke etc. from the air stream and it is an ideal pocket filter for HVAC systems installed in Hospitals, Laboratories, Food processing & Pharmaceutical units, Computer rooms, Optical and Electronic facilities, Airports terminals, public buildings etc.

Construction

Filtro Pac utilizes a 100% synthetic filter media having high tensile strength developed through meltblown process. This media has the advantage of being heat sealed, thus avoiding pinholes commonly found in most conventional pocket filters. The three stage media arrangement, which consists of coarse fibers upstream, micro-fine fibers downstream and a scrim backing to prevent fiber migration, offers high dust holding capacity and filtration efficiency. Filtro Pac provides extended surface filtration through media formed into individual dust holding pockets. These pockets are created by internal false stitches or ultrasonic welding process with internal spacers to maintain uniform airflow channels for even dust loading and longer filter life. The perfectly balanced pocket design allows full media inflation without crowding or restricting airflow to ensure optimum media utilization and thereby offering long service life. Each pocket is bonded and sealed to its own "J" channel support frame which is fastened to a heavy duty corrosion resistant steel frame with soft edges to avoid damage to the filter media. This design prevents air bypass by eliminating metal contact points between components. Filters are also offered in plastic frame construction.





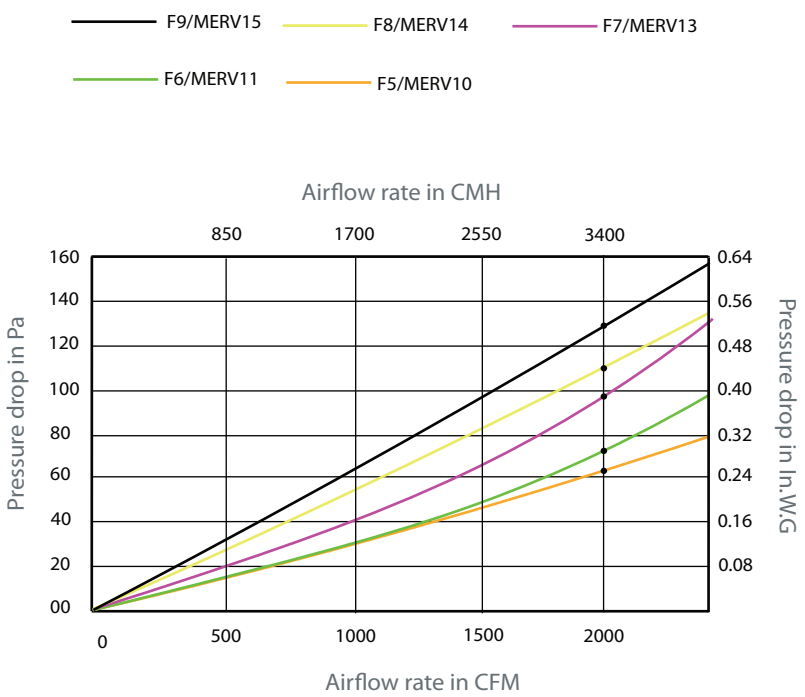


Performance Data

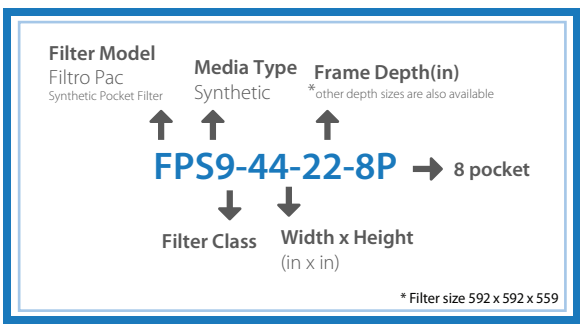
Nominal Size (in)	Actual size (mm)	Number of Pockets	Initial Resistance to Airflow (Pa / In.WG)						Media Area (Sq M)
			Airflow (CFM/CMH)	98%/F9/MERV15	95%/F8/MERV14	85%/F7/MERV13	65%/F6/MERV11	45%/F5/MERV10	
			@2.5m/s	Model: FPS9	Model: FPS8	Model : FPS7	Model: FPS6	Model : FPS5	
24 x 24 x 36	592 x 592 x 915	6	2000/3400	113/0.45	88/0.35	77/0.31	59/0.24	51/0.20	7.4
24 x 24 x 30	592 x 592 x 737	8	2000/3400	114/0.45	90/0.36	79/0.32	62/0.25	54/0.22	7.8
	592 x 592 x 737	6	2000/3400	122/0.49	93/0.37	83/0.33	66/0.27	55/0.22	6
24 x 24 x 26	592 x 592 x 660	8	2000/3400	123/0.49	96/0.38	86/0.35	68/0.28	58/0.23	7
	592 x 592 x 660	6	2000/3400	126/0.50	105/0.42	91/0.37	70/0.31	59/0.24	5.4
24 x 24 x 22	592 x 592 x 559	10	2000/3400	120/0.48	104/0.41	92/0.37	66/0.27	56/0.22	7.11
	592 x 592 x 559	**8**	**2000/3400**	**129/0.51**	**113/0.45**	**99/0.40**	**76/0.31**	**63/0.25**	**6**
	592 x 592 x 559	6	2000/3400	136/0.54	119/0.48	108/0.43	80/0.32	65/0.26	4.64
24 x 24 x 21	592 x 592 x 534	8	2000/3400	131/0.52	114/0.46	101/0.41	78/0.31	66/0.27	5.7
	592 x 592 x 534	6	2000/3400	140/0.56	121/0.49	113/0.45	85/0.34	68/0.27	4.44
24 x 24 x 15	592 x 592 x 381	8	2000/3400	149/0.59	130/0.52	121/0.49	91/0.37	78/0.31	4.1
	592 x 592 x 381	6	2000/3400	154/0.61	139/0.56	128/0.51	95/0.38	81/0.33	3.22
24 x 24 x 12	592 x 592 x 300	8	2000/3400	….....	132/0.53	129/0.52	96/0.38	82/0.33	3.33
	592 x 592 x 300	6	2000/3400	….....	149/0.60	134/0.54	101/0.41	89/0.36	2.57

Note: Other size 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



Frame	GI / Plastic / SS / AL
Media	Synthetic
Header	Available in 20mm and 25mm
FPD	450Pa / 1.8"WG
Efficiency standard	ASHRAE 52.2 / EN 779 / ISO 16890

Available upon request	• Glass Fiber Media (Filtro pac G) • Synthetic non woven lofted media (Filtro pac S) • Gasket

Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH