

## BAG FILTER- F5 Synthetic Pocket Filters

Bag Filter or Pocket Filter are high efficiency extended surface bag filters are manufactured from a new generation range of Nano coated Meltblown synthetic media with a high lofted synthetic fiber pre-filter filter. Bag filter offers excellent filtration performance combined with high dust holding capacity and suitable for applications where highest degree of air cleanliness is required. They are capable of removing contaminants such as bacteria, fungi, fumes, smoke etc. from the air stream and it is an ideal bag filter for HVAC systems installed in Hospitals, Laboratories, Food processing & Pharmaceutical units, Computer rooms, Optical and Electronic facilities, Airports terminals, public buildings etc. This filter meets the class demand as per ISO 16890 as well as EN 779 : 2012.

### Pocket Filter-F5

Available in 25 and 50 mm header  
 ISO ePM1 80% /60% and ePM10  
 60% M6 to F9 as per  
 EN779:2012  
 Metal or Plastic Frame  
 Silicon Free



### Media Features and Technical Details

AFSPL utilizes a 100% synthetic filter media having high tensile strength. This Nano coated media has an advantage of being heat sealed, thus avoiding any pin holes that are found in most conventional bag 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.

Bag Filter provides extended surface filtration through media formed into individual dust holding pockets. These pockets are created by internal spacers through ultrasonic welding process 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.

#### FILTER CLASSES AS PER ISO-16890

Filter class	PM 1	PM2.5	PM 10
M5	> 20%	< 40%	> 50%

Filter Class	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
F-5	Aluminium / GI	MERV-9-10	EU-5	300	3 MM	BS EN:779
		MERV-9-10	EU-5	600	3 MM	BS EN:779