

FMP multi-pocket high-efficiency bag filters

- ➔ **Self supportive synthetic pocket design**
- ➔ **Filter classes F5 - F8 for applications requiring cleaner air**
- ➔ **Mechanically strong with a high abrasional resistance**

Description:

Filterfit's self supporting multipocket filters are made from high quality synthetic media pockets attached to an interlocked support frame. The media comprises of a matrix of primary and secondary synthetic fibres with a fine layer of high strength spun bond scrim on the air leaving side, to increase filter stability and prevent particle migration. This dual media design ensures low initial pressure drop, a high dust holding capacity and a long filter service life.

Application:

The multi-pocket filters are ideal for pre filters or final filter, for particulate removal in humid, high air flow, and heavy dust loading conditions. Applications include pharmaceutical, automotive and food processing industries, commercial buildings, and various industrial applications and ventilation systems.

Construction:

Filters are manufactured with a 22 mm galvanised header frame. The individual pockets incorporate sealed span stitching to ensure complete inflation to eliminate crowding or leakage.

A thermoplastic sealant holds stitches in place and seals the stitch holes.

Efficiency ranges:

The filters are available in four ranges of efficiencies based on EN779 1993 standard (ASHRAE 52.1-1992 test method).



F5 50 - 55%, F6 60 - 65%, F7 80 - 85%,
F8 90 - 95%.

Dimensions:

Filters are available in standard sizes of 595 x 595 x 600 mm and 595 x 290 x 600 mm to suit standard mounting frames size 610 x 610 and 610 x 305 respectively.

Installation:

Filterfit's deep bed filters are easily installed by fixing permanent mounting frames to filter plenums and can be made up into banks by riveting or bolting mounting frames together. It is recommended that an approved sealant be applied between mounting frames and between mounting frames and plenum walls to prevent air by-pass.

Where bank sizes exceed 2.0 metres it is recommended that stiffeners are installed to prevent distortion of filter frames.

Pre Filters:

To extend the life of the multi pocket filters, panel pre filters can be installed in front of the multi pocket filter in the same mounting frame. This eliminates the need for a separate plenum of pre filters to be installed.

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Maintenance and service:

Filters are disposable and can not be washed or re used. Due to the high dust holding capacity of the multi pocket filters, it is recommended that a manometer be installed across the filter bank, so that optimum filter life is achieved. When replacing filters it is recommended that the fan is switched off so as no dust, which may dislodge from the dirty filter, is drawn through the system.

Care should be taken to ensure new filter bags are of the same efficiency and performance of the existing original filter, as replacing with filters of lesser performance

may be in breach of local building codes.

When airflow is restricted due to build up of dust, release fasteners holding the filter header frame into the mounting frame and remove the dirty filter bag, placing it in a sealed bag to prevent any contaminate from spilling out.

Ensure that the sealing gasket on the mounting frame is in good condition so as to prevent air bypass once a filter is in place. Install replacement filter into mounting frame and fasten into place with existing clip arrangement.

Performance data:

Part no.	Nominal size	Holding frame size	Filter rating	Average efficiency	No. of Pockets	Capacity L/sec		Pressure Drop - Pa.		Final
						1.8 m/sec	2.5 m/sec	1.8 m/sec	2.5 m/sec	
1-3210	592 x 592 x 560	610 x 610 x 50	F5	50-55%	6	630	944	45	55	450
1-3211	592 x 290 x 560	610 x 305 x 50	F5	50-55%	3	310	470	45	55	450
1-3241	592 x 592 x 560	610 x 610 x 50	F6	60-65%	6	630	944	60	75	450
1-3242	592 x 290 x 560	610 x 305 x 50	F6	60-65%	3	310	470	60	75	450
1-3244	592 x 592 x 560	610 x 610 x 50	F6	60-65%	8	630	944	50	65	450
1-3245	592 x 290 x 560	610 x 305 x 50	F6	60-65%	4	310	470	50	65	450
1-3247	592 x 592 x 560	610 x 610 x 50	F7	80-85%	6	630	944	80	95	450
1-3248	592 x 290 x 560	610 x 305 x 50	F7	80-85%	3	310	470	80	95	450
1-3250	592 x 592 x 560	610 x 610 x 50	F7	80-85%	8	630	944	65	80	450
1-3251	592 x 290 x 560	610 x 305 x 50	F7	80-85%	4	310	470	65	80	450
1-3253	592 x 592 x 560	610 x 610 x 50	F8	90-95%	8	630	944	90	135	450
1-3254	592 x 290 x 560	610 x 305 x 50	F8	90-95%	4	310	470	90	135	450

All performance data based on En779 1993 standard (ASHRAE 1-1992 test method)

Maximum operating temperature is 66 celcius