

AEC - POCKET FILTER

The AC pocket filters are used for both pre-filtration and fine-filtration, in commercial clean rooms, automotive paint shops, health care facilities, pharmaceutical industries, hospitals etc., The number of pockets and depth of pockets can be varied to meet different air flow requirements. mainly these pocket filters will have very less metal part and have highly cost effective construction.

Filter media & construction

Media type:

Synthetic and glass fibre media.

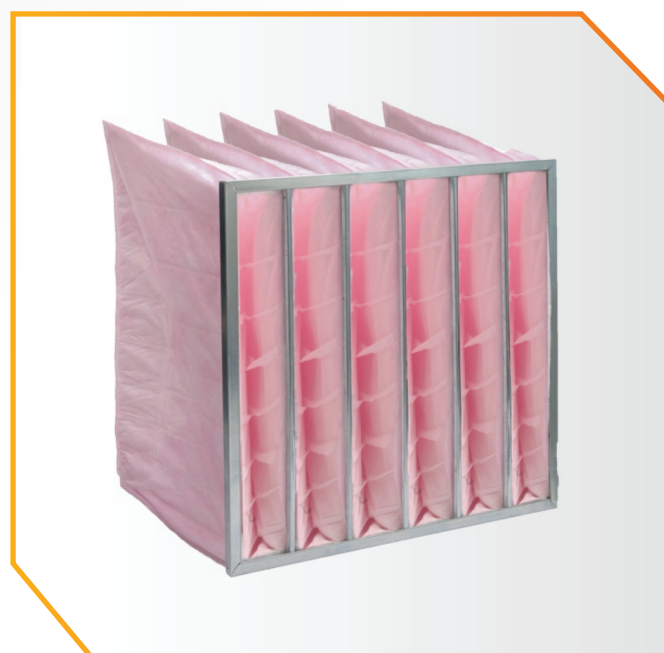
Frame:

GI, aluminium, CRCA-power coated and rarely with plastic frames.

Media edge sealing :

Ultrasonically welded either press type or stitch type regular stitching.

Construction : Box type / Flange type.



Salient Features	Main Advantages
- Filter media can be of graded density. - Less weight due to less metal portion. - Media pocket depth & number of pockets can be optimised based on customer's flow requirement. - Ultrasonic welding construction for better leak proof joints. - Media selection based on efficiency requirements. - Very good temperature withstanding capability upto 100°C and relative humidity close to 100%	- Better efficiency and higher dust holding due to graded density construction. - Can be designed to suit customer requirements in terms of size and mass flow rate. - Efficient filtration can be achieved. - Environmental friendly.

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TYPICAL FILTER DATA FOR STANDARD FILTER SIZE AS PER DIN EN 779

Product Code	Media Type	Grade	Dimensions (mm)	No of Pockets	Air Flow (CFM)	Initial Pressure Drop	Final Pressure Drop
AEC-PF-EU-4	Synthetic	EU-4	592×592×360	6	540	6.0mm of WC	20mm of WC
AEC-PF-EU-4		EU-4	592×292×360	6	270	6.0mm of WC	20mm of WC
AEC-PF-EU-4		EU-4	592×592×600	6	540	6.0mm of WC	20mm of WC
AEC-PF-EU-4		EU-4	592×292×600	6	270	6.0mm of WC	20mm of WC
AEC-PF-EU-5		EU-5	592×592×600	8	320	6.5mm of WC	25mm of WC
AEC-PF-EU-5		EU-5	592×292×600	8	160	6.5mm of WC	25mm of WC
AEC-PF-EU-7		EU-7	592×592×600	10	320	7.5mm of WC	35mm of WC
AEC-PF-EU-7		EU-7	592×292×600	10	160	7.5mm of WC	35mm of WC
AEC-PF-EU-9		EU-9	592×592×600	10	320	8.5mm of WC	45mm of WC
AEC-PF-EU-9		EU-9	592×292×600	10	160	8.5mm of WC	45mm of WC

PRODUCT SELECTION MATRIX AND POTENTIAL APPLICATION AREA

Industries	Filter Application	Pre filter	Fine filter
Automotive & auto component manufacturers.	Used for air supply units in automotive paint shops	EU-4 & EU-3	EU-5, EU-7 & EU-9
Clean Room Application			
Pharmaceuticals, biotech industries, semiconductor manufacturers, food industries, hospitals & laboratories.	Used in air handling units for fresh intake air supply.	EU-4 & EU-3	EU-5, EU-7 & EU-9
Other Application			
Chemical and fertilizer Industries	Used in air handling units where fresh air is required at process locations.	EU-4 & EU-3	EU-5, EU-7 & EU-9
Textile Industries	Used in air handling units where fresh air is required at process locations.	EU-4 & EU-3	EU-5, EU-7 & EU-9