

Aero Poly Pleat Z - Synthetic Pleated Filters

AERO POLY-PLEAT filters are cleanable/washable panel filters made up of non woven, high lofted synthetic (polyester) filter media and are available in various efficiency grades ranging from G2-F5. AERO POLY PLEAT filters offer very high dust arrestance and dust holding capacity than the other types of similar grade panel filters. So it is an ideal pre-filter which extends the life of the high efficiency filters and is the right choice medium efficiency panel filter suitable for applications where secondary filters are not used. The AERO POLY PLEAT filters are widely used in Fan Coil Units, Packaged units and AHUs for various HVAC applications. Special designs and versions are available for Paint booth applications.

Aerofil Models

Aero Flat APF

Synthetic media flat filters

Aero Pleat APW

Synthetic media pleated filters

Aero Pleat APZ

Self supporting media pleated filters



Media Features and Technical Details

Aero Pleat Flat - APF model filters are flat type panel filters made up of G2/G3/G4 or F5 grade synthetic filter media. In this model, the filter media pad is encased in a metallic frame (galvanized steel or aluminium), bonded properly to ensure a leak free operation. A wire mesh having 98% open area is provided on the upstream and downstream which reinforces and supports the filter media. APF model filters are available in 15 mm, 25mm and 50mm depths.

Aero Pleat W – APW model are extended surface pleated filters to deal with high air velocity applications. APW model filter utilizes G3 / G4 grade 20mm thick poly fibers filter media in pleated form to have an extended surface area. The wire mesh support on both sides provides enough rigidity to the pleat packs and ensures pleat stability. This models offer low pressure drop and high dust holding capacity. APW model pleated filters are ideal for Air handling unit applications as a pre-filter or as a medium efficiency panel filter. F5/F6 grade pleated panels are also available for special applications to use as a final filter. Standard depths: 48mm, 95mm, 150mm.

Aero Pleat Z - APZ model panel filters with plastic or card board frame are a new generation environmentally friendly coarse filters, with 100% incinerable materials. Filters are made up of self supporting synthetic media in G3, G4 and F5 grades. Frames usually are plastic or card board. It contains no metal parts and hence free from corrosion too. It is an ideal choice to use as a pre-filter in air handling units. These filters offer the same efficiency like disposable pleated filters but with high dust holding capacity and low pressure drop. Filters are available in 48mm and 95mm.

Selection Chart ▼

Filter Model	APF3	APF4	APF5	APW3-2	APW4-2	APW3-4	APW4-4	APZ3-2	APZ4-2	APZ3-4	APZ4-4
Depth (mm)	25	25	25	48	48	96	96	48	48	96	96
Grade: EN 779	G3	G4	F5	G3	G4	G3	G4	G3	G4	G3	G4
Av. Dust Spot Eff (%)	20 - 25	25 - 30	45 - 50	20 - 25	25 - 30	20 - 25	25 - 30	20 - 25	25 - 30	20 - 25	25 - 30
Av. Arrestance (%)	91	94	95	91	94	91	94	91	94	91	94
Face Velocity (m/s)	1.5/2.5	1.5/2.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Initial Resistance (Pa)	32 / 72	40 / 90	15	60	70	48	58	50	60	42	50
Final Resistance (Pa)	250	250	450	250	250	250	250	250	250	250	250

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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