

TripleAir PAD HOLDING Frame

PRODUCT DATASHEET

THE FPF RELOADABLE PAD FRAME - G2-4 TO EN779

Reloadable Pad Frames are ideal for use in reducing filter costs where disposable panel filters are normally used. The FPF frames simply hold a pad of disposable media (either glass-fibre or synthetic) or washable media i.e.: reticulated polyurethane foam. The filter system removes the need to dispose of the whole filter when only the core element of the filter needs to be disposed of, thus providing the most economic solutions in terms of storage, handling and disposal.

Construction

The frame is robustly constructed from either Galvanised Mild Steel, Aluminium or Stainless Steel dependant on the application. Mitred joints ensure physical stability and accuracy to the finished product. A rigid grid is attached to the air leaving side of the filter. Replenishment is simply accomplished by unclipping the retaining clip and removing the pad for washing or replacement.

Applications

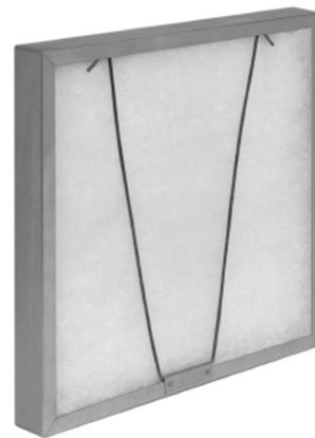
The FPF system is ideal in applications where frequent replacement of filters is necessary, providing an inexpensive solution to that requirement.

Range

The FPF is available in a large range of standard sizes in 1" and 2" (20 & 45mm) nominal depths and may also be produced in non-standard sizes to suit application requirements.

Technical Information

The following data relates to possible filter media types that are suitable for use in the FPF system operating at 1.5m/sec. The media pads are supplied and priced as a separate item subject to requirement:-



Glass-Fibre Media			
Specification	12mm thick	25mm thick	50mm thick
EN779	G2	G3	G4
Initial Pressure Loss (Pa)	45	48	50
Final Recommended Pressure Loss (Pa)	125	125	150
Average Synthetic Dust Weight Arrestance (%)	75	80	88
Dust Holding Capacity (g/m ²)	650	750	850

Synthetic Media			
Specification	12mm thick	25mm thick	50mm thick
EN779	G3	G3	G4
Initial Pressure Loss (Pa)	25	58	73
Final Recommended Pressure Loss (Pa)	150	400	400
Average Synthetic Dust Weight Arrestance (%)	52	86.3	93.4
Dust Holding Capacity (g/m ²)	360	548	900.5

Washable Polyfoam			
Specification	12mm thick	25mm thick	50mm thick
EN779	G2	G2	G3
Initial Pressure Loss (Pa)	12	63	80
Final Recommended Pressure Loss (Pa)	150	400	400
Average Synthetic Dust Weight Arrestance (%)	70	79	83
Dust Holding Capacity (g/m ²)	159	338	676

Clean Room Filtration and Lighting Technology

TripleAir Technology are suppliers of high quality HEPA and ULPA filtration, ceiling grid systems and luminaires for the clean room industry. We offer fully integrated ceiling solutions for projects and cleanroom facilities.

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