

Pad Holding Frames

Reloadable Pad Holding Frames are ideal for use in reducing filter costs where disposable panel filters is normally used. The frames simply hold a pad of disposable media (either glass-fibre or synthetic), or in 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 & 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 Pad Holding Frame system is ideal in applications where frequent replacement of filters is necessary, providing an inexpensive solution to that requirement.

Range

The Pad Holding Frame 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				Synthetic Media				Washable Polyfoam			
Specification	12mm thick	25mm thick	50mm thick	Specification	12mm thick	25mm thick	50mm thick	Specification	12mm thick	25mm thick	50mm thick
EN779	G2	G3	G4	EN779	G3	G3	G4	EN779	G2	G2	G3
Initial Pressure Loss (Pa)	45	48	50	Initial Pressure Loss (Pa)	25	58	73	Initial Pressure Loss (Pa)	12	63	80
Final Recommended Pressure Loss (Pa)	125	125	150	Final Recommended Pressure Loss (Pa)	150	400	400	Final Recommended Pressure Loss (Pa)	150	400	400
Average Synthetic Dust Weight Arrestance (%)	75	80	88	Average Synthetic Dust Weight Arrestance (%)	52	86.3	93.4	Average Synthetic Dust Weight Arrestance (%)	70	79	83
Dust Holding Capacity (g/m ²)	650	750	850	Dust Holding Capacity (g/m ²)	360	548	901	Dust Holding Capacity (g/m ²)	159	338	676

Please note: In their continuous search for product improvement Dustop Ltd reserve the right to change materials and specifications without prior notice.

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