MiniCell High Performance Panel Filter
F6 to F9 to EN779

Applications

A MiniCell Panel Filter can be used in supply or extract air systems where there is a need for a high performance. MiniCell Panels are offered in grades M6, F7, F8 and F9 to EN779.

The MiniCell Panel offers low resistance due to the high surface minipleat construction of the filter pack, which is available in both 47mm, and 97mm depths.

For high moisture environments this filter is available in a galvanized steel frame, rather than the standard card frame that is supplied.

Description

The MiniCell filter pack structure is made from 100% Synthetic Media with hotmelt separators, providing a rigid and moisture resistance filter pack. Glass Fibre filter packs are available upon request.

The standard MiniCell is contained within a rigid moisture resistant cardboard lattice frame. Upon request these filters can be manufacture from a metal frame with a polyurethane seal which makes the filter suitable for damp and humid environments such as supply air from outside.

Technical

The pleated air filter media is Flame Retardant to DIN 53438 (F1)
Max Operating Temp: 80 Deg C
Recommended Maximum Face Velocity : 2.5m/s

STANDARD MINICELL HIGH PERFORMANCE PANEL FILTERS

Size		Flow Rate	Part Numbers			
OT Inches	ACTUAL mm	m³/s	Grade M6 to EN779 ePM10 70%	Grade F7 to EN779 ePM1 60%	Grade F8 to EN779 ePM1 65%	Grade F9 to EN779 ePM1 80%
24x12x4	594x289x97	0.43	1450113	1450213	1450313	1450413
24x20x4	594x495x97	0.73	1450114	1450214	1450314	1450414
24x24x4	594x594x97	0.88	1450115	1450215	1450315	1450415

Notes
* Standard Panels are Cardboard Lattice Frame
* Metal Frame with Urethane Sealant available upon request, add Part Number 1450500.
* Clean Pressure Drops M6- 90Pa, F7- 110Pa, F8 – 150Pa, F9 - 175Pa based on a Face Velocity of 2.5 m/s
* 47mm Minicell Panels are available upon request.
* Maximum Face Size: 594Hx900W

Metal Framed MiniCell Panel Filters

Metal Framed MiniCell Panels offer an increased level of fire retardancy and rigidity by removing and replacing the cardboard frame with a galvanised or stainless steel frame. A small amount of hot melt or polyurethane adhesive is used to fix and seal the pleated elements into the frame.

PLEASE NOTE: This is not a "wrap around" metal frame, but a complete replacement for the cardboard frame removing any chance the filter collapsing in humid environments.