

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,
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Frame and Pad System

Applications

The Frame and Pad System is an alternative to disposable panel filters for use in ventilation and air conditioning systems.

Although initially more expensive than disposable panels, this system offers cheaper long-term maintenance costs since the metal frame is retained and only the media pad is discarded when dirty.

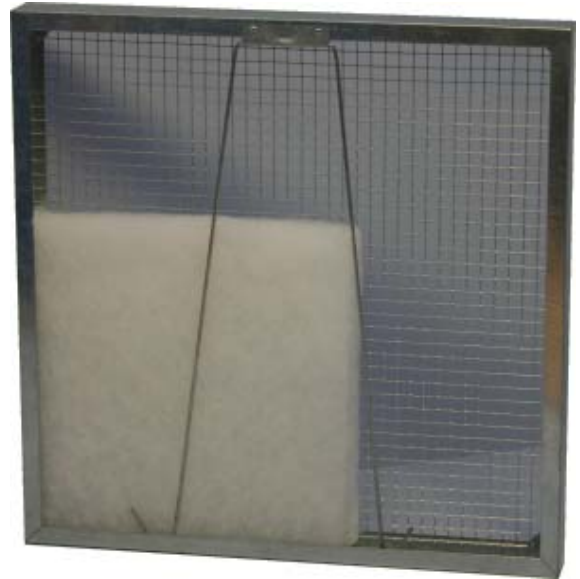
Also, the pad frame system offers the additional advantages that the system can be upgraded by the use of different media replacement pads, can be stored in considerably less space than complete panels, and carriage costs are reduced.

Construction

The pad frame consists of an aluminium or galvanised channel frame with retaining mesh on the outlet face. Corner gussets provide additional rigidity.

A hinged pad retaining clip can be fitted to the face of the frame if required.

Either glass or synthetic media can be supplied for installation in the pad frame.



Technical

Various types of pad can be used in these frames as detailed below:

- 1 **Glass fibre media** is available in 1 inch (25mm) or 2 inch (50mm) thicknesses. For performance see leaflet ref.AC1/1a.
- 2 **Synthetic Media** For performance see leaflet ref. Nos. AC1/2a and AC7.
- 3 **Washable Polyfoam media** For performance see leaflet ref. AC2/1a

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Typical Capacity Chart

Data based on Face Velocity of 2.0 m/s (400 fpm)

SIZE	SIZE	Flow Rate
OT Inches	Actual mm	m ³ /s
10 x 10	242 x 242	0.12
12 x 12	289 x 289	0.17
15 x 15	369 x 369	0.27
18 x 18	445 x 445	0.40
20 x 10	495 x 242	0.25
20 x 16	495 x 394	0.40
20 x 20	495 x 495	0.50
25 x 16	620 x 394	0.50
25 x 20	620 x 495	0.63
24 x 12	594 x 289	0.34
24 x 20	594 x 495	0.59
24 x 24	594 x 594	0.72

- Standard sizes listed are nominal.
Actual Face dimensions = Nominal Size less 6mm (0.25").
Actual Thickness = Nominal Size less 3mm (0.125").
- Non-standard frames can be manufactured to specific dimensions.

Holding Frames and Casings

Holding frames and casings for the frame and pad system are available singularly or in multiples, and can be manufactured to suit non-standard sizes and special applications.



See leaflet (code AC8) for full technical information.

The company reserves the right to change specifications without notice. E&OE

Code AC1/4b Ref 01/11