

EMFLEX & PLIPAD CLEANABLE FILTERS



Re-usable, polyurethane foam panel, particle filters suitable for HVAC applications

Emflex: Laminated, demembrated polyurethane foams of differing porosity bonded to an internal mesh to provide a semi-rigid filter. These cleanable filters can be supplied with front or side withdrawal frames if required. Particle removal of 5-7 microns, EN779 Eurovent 4/5, typical efficiency G2/G3.

Plipad: This cleanable filter offers the same performance as the Emflex but is made without the internal metal mesh. Resulting in a filter that is flexible and collapsible for easy cleaning, storing and transporting. Filter frames manufactured with supporting grilles and retaining clips are available.



SPECIFICATION	TYPE H	TYPE S	TYPE LR
Filter Classification	G3 (Arrestance 85%)	G2 (Arrestance 75%)	G2 (Arrestance 70%)
Initial Resistance at 1.5 m/sec (Pa)	105	50	35
Recommended Final Resistance (Pa)	400	400	400
Dust Holding Capacity (g/m ²)	3787	7858	8080

Typical Performance data for filters of 25 mm thickness

Both filter types are suited to high humidity applications and will not distort due to moisture adsorption.

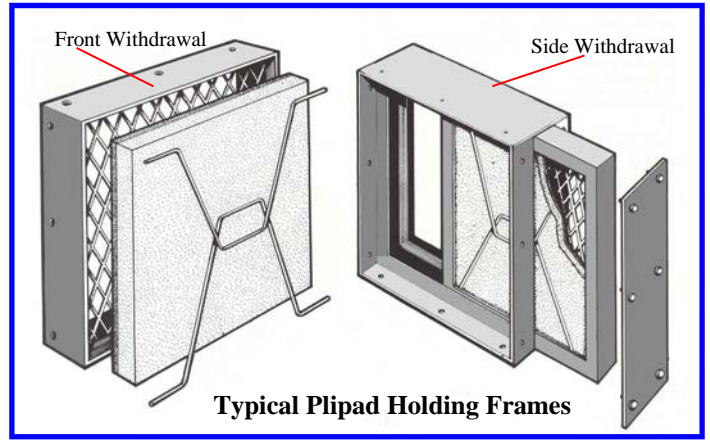
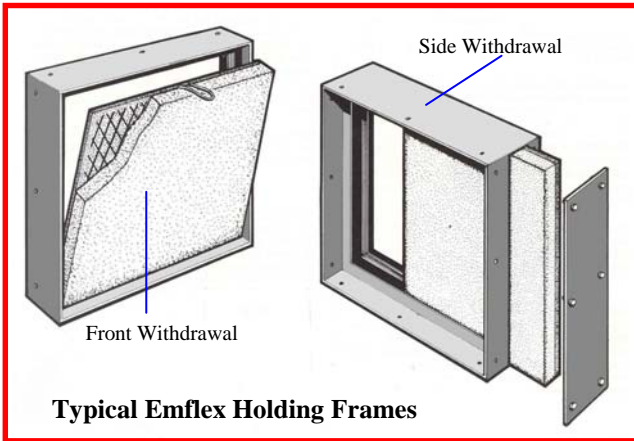
Applications

Air conditioning, ventilation systems, clean air cabinets, telecommunications/electronic equipment, electric motors and prefiltration for HEPA and carbon filter applications.

Maintenance

Maximum performance is maintained by regular cleaning, typically filters are rapped, vacuumed or blown through; washing in a weak detergent ensures thorough cleaning.

Please see overleaf for performance data and various filter frame options available.

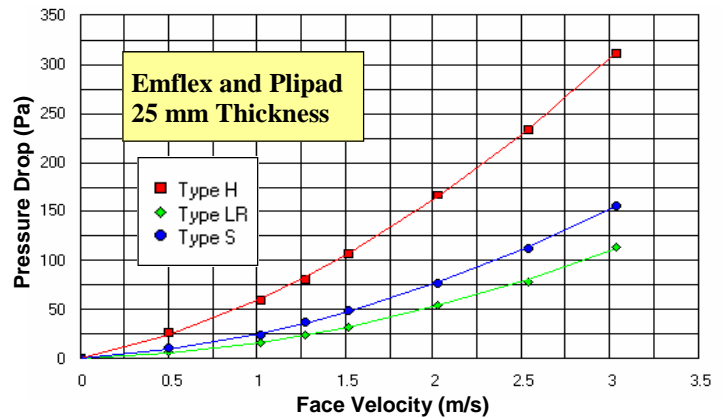


Cleanable Filter Holding Frames

A complete range of holding frames, including side withdrawal, front withdrawal, combination frames and V-banks are available for use with Emflex and Plipad filters.

Performance Data

Nominal Size		Rated Air Volume	
Inches	mm	CFM	M ³ /hr
12 x 12	300 x 300	245	412
15 x 15	375 x 375	390	665
18 x 18	450 x 450	565	955
20 x 20	500 x 500	695	1180
24 x 24	600 x 600	1000	1700



Data based on 25 mm thickness, with face velocity of 1.27 m/sec where efficiencies peak on Emcel Cleanable Panel Filters

Typical sizes shown are for guidance only. Emflex and Plipad filters can be manufactured in virtually any size or shape and in a variety of thicknesses and media efficiencies. For further information and technical data please contact the EMCEL Technical Sales Team.



Other Emcel products include:

- ◆ Activated Carbon Filter Units
- ◆ Replacement Carbon Panels
- ◆ Odour Control Filters
- ◆ Particle Filters
- ◆ HEPA Filters
- ◆ Special Filters



Certificate No. FM 24138

EMCEL FILTERS LIMITED

Blatchford Road, Horsham, West Sussex, RH13 5RA, United Kingdom

Tel: (01403) 253215 Fax: (01403) 217011

www.emcelfilters.co.uk E-mail: filtration@emcelfilters.co.uk

