

Pleated Panel Filter

G4 to EN779



Application

The pleated panel filter provides a high level of efficiency at a low replacement cost. It is suitable for use as a pre filter for higher grades of air filtration or for use as a simple filter for general use within air handling systems where the use of glass-fibre filters is unacceptable.

Construction

The pleated panel contains a core of non-hygroscopic and hydrophobic fibrous media designed specifically for use in air filtration. The media is manufactured with a graded fibre density to ensure optimum and even dust retention combined with low initial resistance.

The material is thermally bonded to a galvanised steel support mesh for stability. The pleated pack is then fully bonded into a moisture resistant card frame. Also manufactured with a metal surround frame. Available in both standard & non-standard sizes.

Maximum Operational Parameters

Max Face Velocity m/s	Max Temp °C	Max Humidity
25mm = 1.2	70	80% RH
50mm = 2.5	70	80% RH
100mm = 3.2	70	80% RH

Technical Information

Panel Size (mm)	Panel Size (Inches)	Rated Airflow Depth:	Rated Airflow Depth:	Rated Airflow Depth:	Initial Resistance	Suggested Final Resistance
		22mm / 1 inch	47mm / 2 inch	97mm / 4 inch		
242 x 242	10 x 10	0.07m ³ /s	0.15m ³ /s	0.19m ³ /s	70pa	280pa
289 x 289	12 x 12	0.10m ³ /s	0.21m ³ /s	0.28m ³ /s	70pa	280pa
369 x 369	15 x 15	0.16m ³ /s	0.34m ³ /s	0.44m ³ /s	70pa	280pa
445 x 445	18 x 18	0.24m ³ /s	0.50m ³ /s	0.63m ³ /s	70pa	280pa
495 x 242	20 x 10	0.14m ³ /s	0.30m ³ /s	0.38m ³ /s	70pa	280pa
495 x 394	20 x 16	0.23m ³ /s	0.49m ³ /s	0.62m ³ /s	70pa	280pa
495 x 495	20 x 20	0.29m ³ /s	0.61m ³ /s	0.78m ³ /s	70pa	280pa
620 x 395	25 x 16	0.29m ³ /s	0.61m ³ /s	0.78m ³ /s	70pa	280pa
620 x 495	25 x 20	0.37m ³ /s	0.77m ³ /s	0.98m ³ /s	70pa	280pa
594 x 289	24 x 12	0.19m ³ /s	0.40m ³ /s	0.51m ³ /s	70pa	280pa
594 x 495	24 x 20	0.33m ³ /s	0.68m ³ /s	0.87m ³ /s	70pa	280pa
594 x 594	24 x 24	0.39m ³ /s	0.82m ³ /s	1.00m ³ /s	70pa	280pa

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