



## Varipleat Panel Filter

## G4



### Technical Information

<b>EN779 Rating</b>	G4
<b>Gravimetric Arrestance - 25mm nom</b>	90%
<b>Gravimetric Arrestance - 50mm nom</b>	93%
<b>Gravimetric Arrestance - 10mm nom</b>	94%
<b>Maximum Temperature</b>	80°C
<b>Maximum Humidity</b>	80% RH

### Capacities for Standard Sizes

Panel Size (nominal mm) HxW	Air Volume m <sup>3</sup> /sec		
	25mm Nom 1.5m/sec	50mm Nom 2.5 m/sec	100mm Nom 3.2m/sec
254x254	0.08	0.13	0.17
254x508	0.16	0.27	0.35
305x305	0.12	0.20	0.26
305x610	0.22	0.37	0.89
381x381	0.18	0.30	0.38
381x508	0.24	0.40	0.51
406x508	0.25	0.42	0.54
406x635	0.32	0.53	0.68
457x457	0.26	0.43	0.55
508x508	0.32	0.53	0.68
508x635	0.40	0.67	0.86
610x610	0.46	0.77	0.93

Non-Standard Sizes manufactured to order

### Accessories

DM O'Shea offer & stock a wide range of associated filter accessories including:-  
 Filter Frames & Casings, Seals and Gaskets, Retaining clips,  
 Manometers & Instrumentation.  
 For further information please contact a member of our Sales Team

### Applications

With the increased demands of advancing technology the Varipleat Panel Filter provides a high level of efficiency at a low replacement cost.

It is suitable for most general filtration applications or where glass-fibre filtration is deemed unsuitable. The Varipleat is particularly appropriate for use as a pre-filter for other higher levels of filtration as the first line of defence against particulate contamination. This product, once spent, may be incinerated for simple disposal.

The key attributes of the product are consistent efficiency, robust construction and long life combined with low replacement cost.

### Construction

The core is produced by pleating a highly efficient poly-cotton fibre media which is non-hygroscopic and flame retardant (BS2963) bonded to a supporting flattened galvanised steel mesh. The laminate is then aerodynamically pleated to form a filter pack. The construction is completed by fixing and bonding the core into the water repellent rigid card frame to eradicate any possibility of movement or bypass by the airflow. In addition to the 25mm and 50mm nominally sized panels, we also offer the 100mm panel as a standard panel and the solution to high velocity requirements.

**DM O'Shea Engineering Products Ltd.**

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