

Aluminium Honeycomb Vents

VH Series

Lightweight and versatile aluminium honeycomb vents are supplied in a variety of styles to facilitate mounting requirements and any overall size. Panels are designed to provide minimum pressure drop of airflow through the assembly whilst giving good RF attenuation. Panels are normally supplied using two layers of honeycomb oriented at 90° to provide non polarised attenuation. Straight through panels can be supplied with plating to overcome the polarisation problem.

Vents can be fitted with conductive gasket for improved shielding effectiveness, drilled holes or threaded captive inserts to aid fixing & can also include separate dust filters and protective kick plates to prevent accidental damage.

All panels finished in Alocrom 1200 to stop oxidisation. Other finishes available to order.

Shielding Effectiveness – Type VH-AF1

Frequency	Attenuation	Field
10KHz	45	H
100KHz	49	H
1MHz	51	H
1MHz	>100	E
10MHz	>100	E
100MHz	>100	E
1GHz	98	P
10GHz	95	P

Figures for type VH-AF1 -
2 layers 6.3mm thick honeycomb,
3.2mm cell size at 90° (cross pole)
with Alocrom 1200 finish.

Tests to MIL STD 285(modified).

Shielding Effectiveness – Type VH-AF2

Frequency	Attenuation	Field
200KHz	77	H
100MHz	100	E
500MHz	56	E
2GHz	96	P
10GHz	80	P

Figures for type VH-AF2 -
12.7mm single layer 3.2mm cell size
With Alocrom 1200 finish

Tests to MIL STD 285(modified).

Shielding Effectiveness – Type VH-AF5

Frequency	Attenuation	Field
10KHz	40	H
100KHz	43	H
1MHz	47	H
1MHz	84	E
10MHz	97	E
100MHz	>100	E
1GHz	85	P
10GHz	85	P

Figures for type VH-AF5 -
2 layers 3.2mm thick honeycomb,
3.2mm cell size at 90° (cross pole)
with Alocrom 1200 finish.

Tests to MIL STD 285(modified).



Shielding Effectiveness – Type VH-AF9

Frequency	Attenuation	Field
10KHz	33	H
100KHz	37	H
1MHz	39	H
1MHz	43	E
10MHz	84	E
100MHz	79	E
1GHz	50	P
10GHz	60	P

Figures for type VH-AF9 -
6.4mm single layer 3.2mm cell size
with Alocrom 1200 finish.

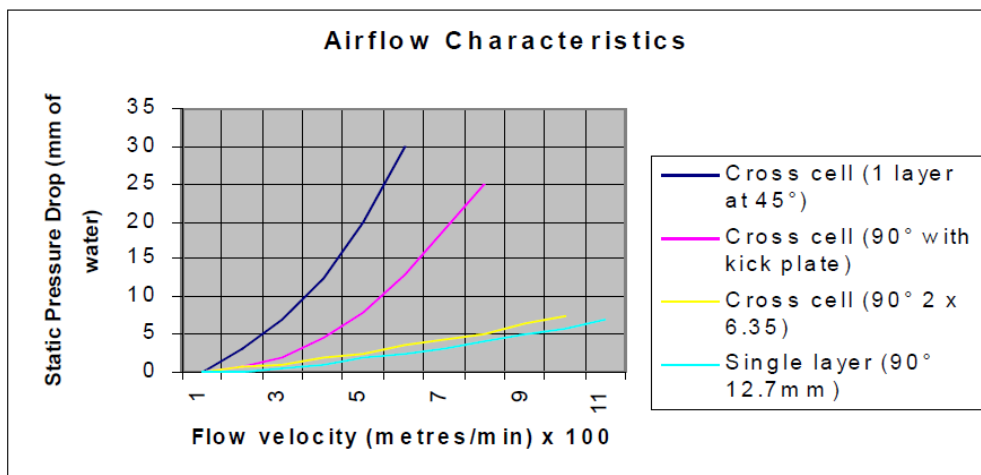
Tests to MIL STD 285(modified).

Shielding Effectiveness – Type VH-AF12 & VH-AF13

Frequency	Attenuation	Field
10KHz	51	H
100KHz	57	H
1MHz	>105	H
1MHz	>105	E
10MHz	>105	E
100MHz	>105	E
1GHz	>105	P
10GHz	90	P
18GHz	90	P

Figures for type VH-AF12 & AF13 -
2 layers 12.7mm thick honeycomb,
3.2mm cell size at 90° (cross pole)
with Alocrom 1200 finish.

Tests to MIL STD 285(modified).



Airflow characteristics applicable to vent types VH AF1, VH AF2, VH AF3 & VH AF4.

For details & information on other types, please contact the factory on +44 (0)1376 550525 or e-mail sales.ppp@nolato.com.