

VENTSHIELD | Vent/Filter Composites

VB Shielding

Our VB Shielding vent/filter assemblies are composites of the VH Shielding honeycomb attenuation vents and demountable dust filter panels containing demembrated polyurethane filter media. The vent is specified in the normal way and contains, within its mounting frame, additional fixings (usually captive threaded inserts) which are used to retain the framed dust filter element.

The dust filter can be mounted either side of the vent panel and attention should be paid when specifying the type of interface gasket to ensure that, where necessary, it is conductive. The filter material is available with openings of 30 to 60 pores per inch as standard, but others can be specified, and is secured by a woven mesh kick plate.



Applications:

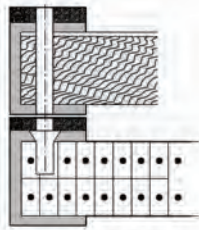
Honeycomb vent & demembrated polyurethane dust filter panels are usually used inside racks and electronic equipment enclosures, in particular where the ingress of dust or foreign matter is likely but the heavier duty woven aluminium mesh is not needed. Filters fitted inside the equipment can have quick-release fastenings and do not require a shielded gasket. In applications where the attenuation vent is fixed directly to the enclosure, dust filters mounted outside the equipment do not need a shielded gasket.

Specifications:

For gasket material specifications please refer to knitted mesh gaskets (pages 4-13), oriented wires in silicone gaskets (pages 20-22) and conductive silicone gaskets (pages 39-42).

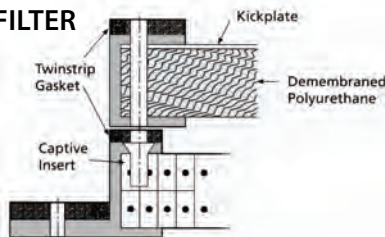
VB AF1 DUSTFILTER

AF1 HONEYCOMB VENT



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Performance: Typical dB

FREQUENCY	FIELD	ATTENUATION
10 KHz	H	45
100 KHz	H	49
1 MHz	H	51
1 MHz	E	>100
10 MHz	E	>100
100 MHz	E	>100
1 GHz	P	98
10 GHz	P	95

Tolerances:

Overall dimensions	±0.8mm
Fixing holes/fasteners	±0.5mm with jigs ±0.2mm

How to order:

Specify: *Series - Frame Style - Vent Media - Overall Size - Number of Fixings - Fixing Type/Size*

Where possible please provide a detailed drawing.

Example:

VH-AF1-01-2260-4330-12-T/H (4.8) plus VB-AF1-09-6 specifies an AF1 style honeycomb vent fitted with an AF1 dust-filter using 6 fasteners. It would be normal in such instances for the assembly to be detailed in drawing form indicating the precise mounting method and sequence in relation to the enclosure.

SERIES	FRAME STYLE	VENT MEDIA	OVERALL SIZE	FIXINGS (NO.)	FIXING TYPE
VB=Composite	AF1	09=	xxxx-xxxx	xx	As Specified
	AF2	Demembrated			
	AF5	Polyurethane			



Nolato PPT
Unit 12 & 14
Maldon Trade Park The
Causeway, Maldon
CM9 4LJ

T: +44 1376 550525
w: www.p-p-t.co.uk
E: sale.ppt@nolato.com