



Application Notes / Overview

Ventshield - Ventilation Panels

catalogue pages 14-19

Aluminium, brass, steel or stainless steel honey-comb attenuated vents mounted in an extruded frame. The range also offers dust filter panels (VF), composite attenuators and dust filters (VB) and can be supplied complete with an EMC gasket in a "ready to fit" format. A wide range of mounting styles and fixing options is available. P&P Technology are always happy to provide guidance on the best product for your application.



VH Shielding - lightweight aluminium honeycomb retained within an aluminium frame

Advantages - Cost effective

Integrated gasket option
Good airflow - passive or active
Can be fitted with protective kickplates
Available flanged or non-flanged
A wide range of mounting styles are available
Can be protected by electroplating or Alocrom
RoSH compliant chromate conversion available
Slant honeycomb can prevent ingress of water in exposed situations, improve attenuation and provide directional airflow
Rectangular and circular styles available

Applications -

Racks & enclosures

Points to Note -

None

VF Shielding - woven and corrugated aluminium mesh airfilter with dustshield

Advantages - Cost effective

Can be removed and solvent cleaned
Built in kickplates protect the filter
Available flanged or non-flanged
A wide range of mounting styles are available

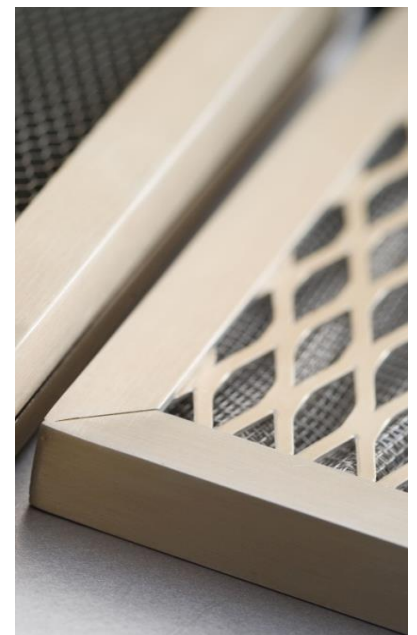
Applications -

Any enclosure requiring airflow to aid cooling
Industrial
Military

Points to Note -

Requires an assisted airflow

When cleaning vents, the gaskets should be checked for compression set or hydrocarbon / solvent contamination





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VB Shielding - Composite honeycomb attenuation vent and demountable dustfilter

Advantages -

- Built in kickplates protect the filter
- Range of fastenings available including quick release
- Available with or without shielded gasket
- Dustfilter can be mounted either side of the vent
- Cost effective

Points to Note -

- Depth of unit

Applications -

- Racks & enclosures

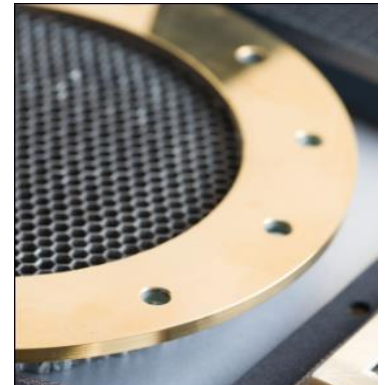
VP Shielding - High performance steel, brass or stainless steel honeycomb vents

Applications -

- Shielded rooms
- Military shelters
- Radar systems
- Especially suitable for EMP and TEMPEST applications

Advantages -

- Very high attenuation
- Good airflow
- Various plating options available
- Various gasket options available
- Rectangular & circular styles available



Points to Note -

- Cost



VT Shielding - Expanded Aluminium, Expanded Monel & Woven Aluminium Thin Vents

Advantages -

- Very thin profile for tight spaces
- Excellent attenuation on VTA version
- Excellent dust filtration on VTA version
- Good airflow on VTB version
- Various gasket options available

Applications -

- Racks & enclosures where space is tight

Points to Note -

- Trade off between attenuation & airflow

P&P Technology are specialist manufacturers of EMI / RF shielding products. For application notes on the rest of our range, or one of our catalogues, please find our contact details below.