



# 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

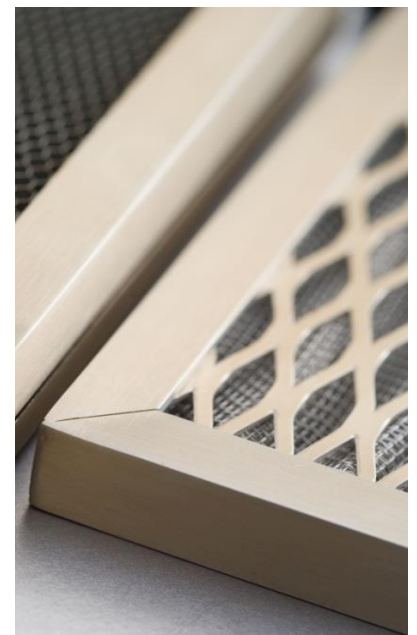
Industrial

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 -

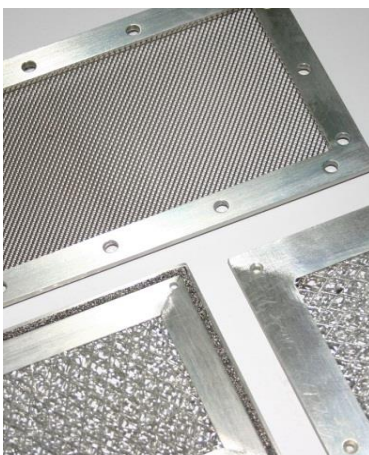
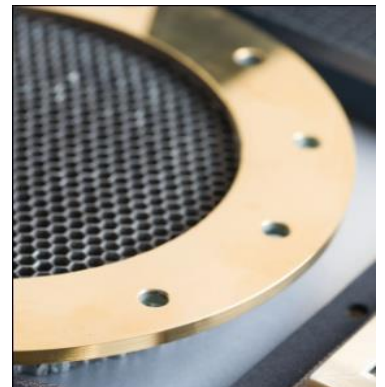
- Shielded rooms
- Military shelters
- Radar systems
- Especially suitable for EMP and TEMPEST applications

#### Points to Note -

- Cost

#### Advantages -

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



### 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.