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## ***Airefil*** VPP Industrial Panel Filters

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- **Designed for heavy industrial applications**
- **Washable and reusable**
- **Will operate in wet conditions**
- **Corrosion resistant**
- **Will operate at high velocities**
- **Very low pressure drop**
- **Corrugated support grid both sides of filter media.**

## Construction

**Airefil** VPP Industrial Panel filters are washable panels, consisting of layered durable synthetic medias sandwiched between welded galvanised steel wire mesh. The structure is corrugated to increase surface area and retained in a galvanised steel channel frame to provide rigidity. Stainless steel construction (both frame and wire mesh) is also available. The VPP/1 consists of a single corrugated layer in a 22mm frame while the VPP/2 is made from 2 corrugated layers at right angles in a 44mm frame. The VPP/S has a double middle-layer of filter media.

The middle layer is designed to become electrostatically charged when air flows through it. This charge enables the media to capture light sub-micron particles.

## Applications

**Airefil** VPP Industrial Panel Filters are designed for pre-filtration in heavy industrial air applications. They are very easily cleaned with low pressure cold water and will sustain washing up to 300 times without deterioration of the media. Their very low pressure drop makes them ideal for applications with low pressure cooling fans such as compressor cooling. VPP filters are particularly efficient for the lightweight dust particles found on timber-mill and paper-mill sites.

The VPP/1 and VPP/S may be used as filters for smaller air-conditioning units and are particularly applicable with high dust loads.

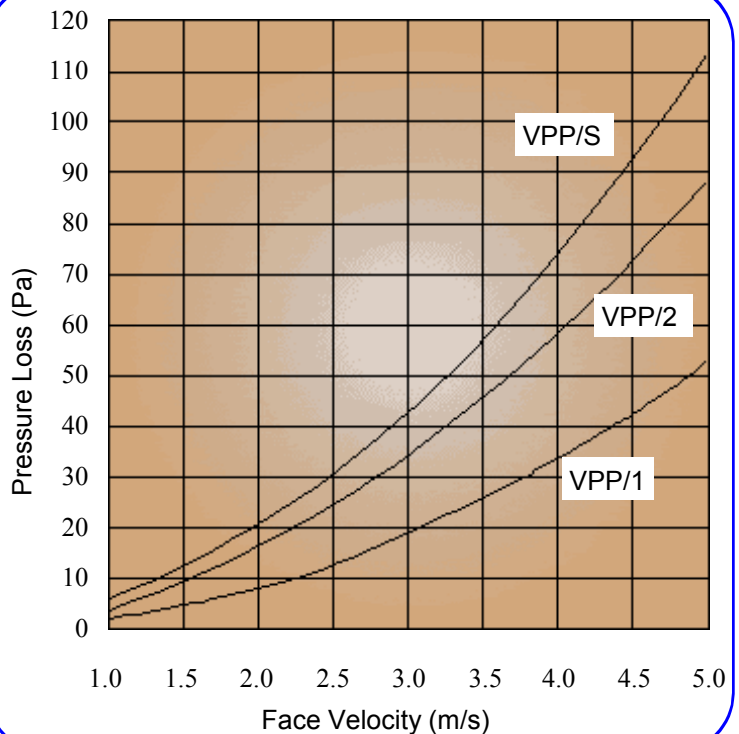
## Mounting

We recommend **Airefil** Filter Frames.

Performance	Performance		
	VPP/1	VPP/2	VPP/S
Depth (mm)	22	44	22
ASHRAE 52.1-1992	68.0%	72.0%	76.0%
AS1132 No.4 Dust	68.0%	72.0%	76.0%
EN779	G2	G2	G2

## Physical and Performance ratings

Standard Sizes	Airflow (m <sup>3</sup> /hr)	Pressure Loss (Pa) VPP/1	Pressure Loss (Pa) VPP/S	Pressure Loss (Pa) VPP/2
595 mm × 595 mm	2500	11	25	20
	3200	18	40	32
	4500	34	76	60
	5000	42	92	73
297 mm × 595 mm	1250	13	29	23
	1600	20	46	37
	2250	40	87	69
	2500	49	106	83
495 mm × 495 mm	1750	12	27	22
	2300	20	45	36
	3000	34	74	59
	3600	48	105	82
Special sizes made to order				



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Related Products:

**Airefil** GT2 Filter Coalescer Panels  
**Airefil** Disposable Pleated pre-filter  
**Airefil** Filter Frames  
**Airefil** AVP Washable Panel Filters

Data Sheets:

E54126  
 E54111  
 E54134  
 E54131