
Airefil V-Cell Air Filters



- **Low pressure drop**
- **High flow**
- **Long life**
- **Efficiencies from F6 to F8**
- **Ideal for variable air volume systems.**

Description

Airefil V-Cell Filters are made up of multiple mini-pleat media packs. The full-size filters are formed into four V's for high media density. The high effective media area results in greater flow capacity, lower resistance, higher dust holding capacity, and longer service life. Thus these filters offer high performance and low operating costs. Performance is not affected by changes in air velocity or fan shutdown. They are suitable for use in Variable air volume systems.

Quality Construction

Water resistant glass fibre is folded into mini-pleats and separated by continuous thermo-

sealing adhesive and spacers to achieve an optimum pleating geometry. Each media pack is sealed within end panels and support struts and guaranteed to be leak-free.

Standard V-Cell filters have plastic (ABS) box-style frames. They are also available with particle board, galvanised steel and stainless steel frames, and with header frames.

Mounting

Options include:

Airefil Filter Frames for front access

PAPWORTH ENGINEERING Side Access Filter Housings.

AirCare In-Line Modules

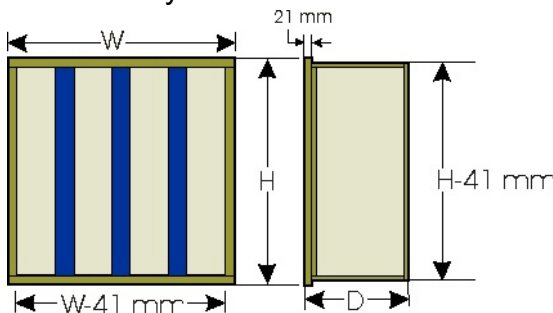
AirCare Safechange Modules for use with hazardous substances.

Physical and Performance Data for Box-Style Filters

Product Code	Efficiency (against 0.3 micron particles)	Dimensions H x W x D (mm)	Capacity and Initial Pressure Drop					
			Standard Flow	Initial Pressure	High Flow	Initial Pressure	Max Flow	Initial Pressure
			L/S	(Pa)	L/S	(Pa)	L/S	(Pa)
FI3814	90-95%	594 x 594 x 292	1000	130	1250	150	1500	175
FI3815	90-95%	289 x 594 x 292	500	130	625	150	750	175
FI3714	80-85%	594 x 594 x 292	1000	100	1250	115	1500	140
FI3715	80-85%	289 x 594 x 292	500	100	625	115	750	140
FI3614	60-65%	594 x 594 x 292	1000	65	1250	80	1500	105
FI3615	60-65%	289 x 594 x 292	500	65	625	80	750	105

Recommended final pressure drop: 500 Pa
 Maximum final pressure drop: 800 Pa
 Guaranteed burst pressure: 1500 Pa
 Average Actual burst pressure: 2500 Pa
 Rated for 75°C and 100% RH non-condensing (Standard)
 Available with 120°C rating in steel frame.

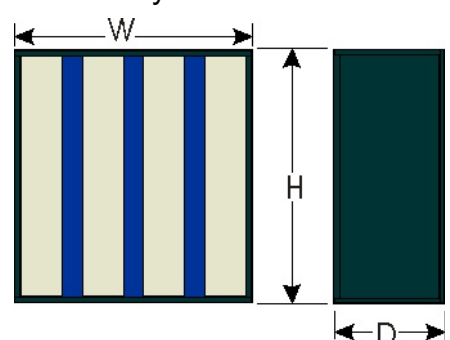
Header Style



Performance data given above is for box-style filters.

Header-style V-Cell filters are also available. The pressure drop figures for header-style filters will be 16% higher for 594x594 mm models, and 28% higher for 289x594 mm models.

Box Style



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Related Products:

AirCare Abolute V-HEPA

AirCare Inline Modules

AirCare Safechange Modules

Airefil Holding Frames

PAPWORTH ENGINEERING Filter Housings

Data Sheets:

E54122

E54103

E54104

E54134

E54146

DS: E54115 Rev.5