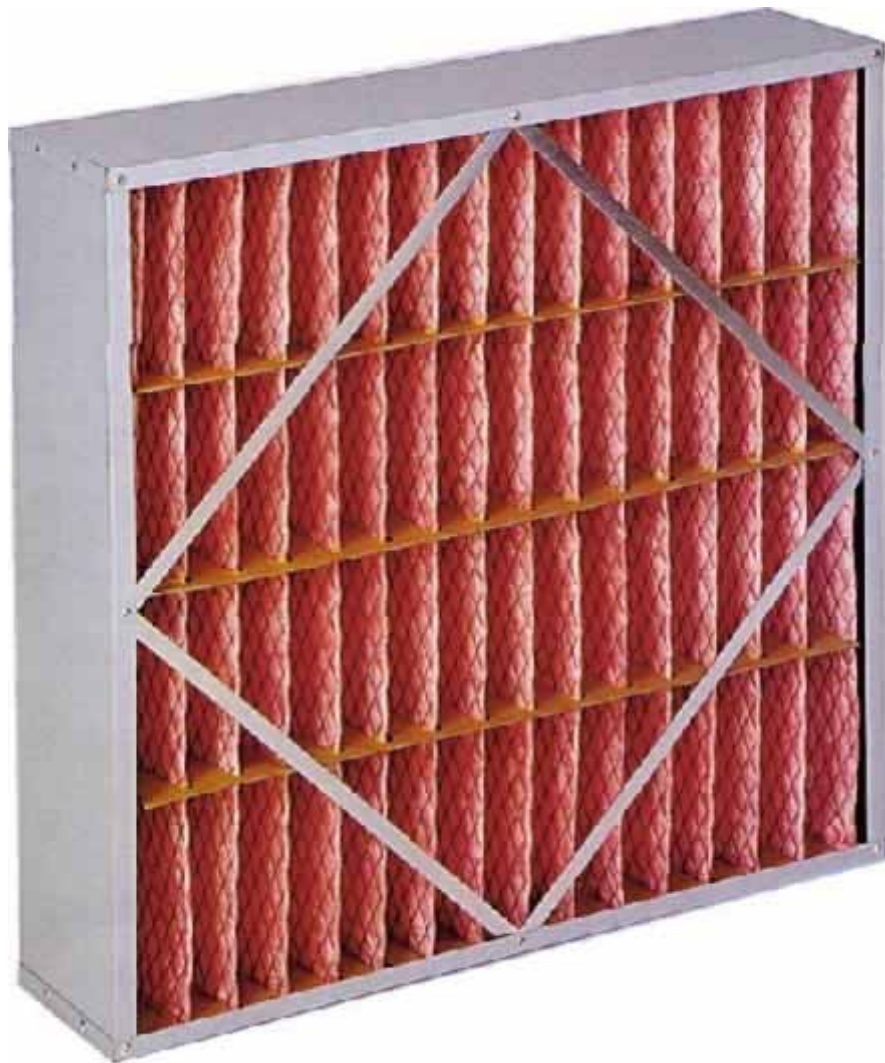


## *Airefil* Rigid-PAK Filters



- Extended surface
- Synthetic media
- Ideal for high humidity applications
- Ideal for variable air volume systems
- Colour-coded for efficiency
- Efficiencies from F5 to F9

## Description

**Airefil** Rigid-PAK filters are extended surface rigid filters with synthetic media. The filter's rigidity ensures structural integrity throughout its service life. Performance is not altered by changes in air velocity or fan shutdown and configuration is not affected by accumulation of dust. They are ideally suited for variable air volume (VAV) systems and will operate effectively at air volumes considerably lower than the rated face velocity (2.5 m/s for 292 mm depth filters and 1.5 m/s for 149 mm depth filters.)

## Quality Construction

The media used in **Airefil** Rigid-PAK filters is non-woven multiple layered synthetic microfibre designed for strength, durability and elimination of fibre shedding. Performance is unaffected by humidity.

A corrosion-resistant metal support grid is bonded to the media to enhance pleat construction and stability. Moisture-resistant pleat stabilisers are fitted on both sides of the media pack, to ensure that the tapered pleat configuration which offers maximum media utilisation and dust holding capacity, is maintained throughout the service life.

The media pack is sealed to the enclosing frame which is constructed from galvanised steel with diagonal supports for strength and durability.

## Mounting

Options include:

**Airefil** Filter Frames for front access

**PAPWORTH ENGINEERING** Side Access Filter Housings.

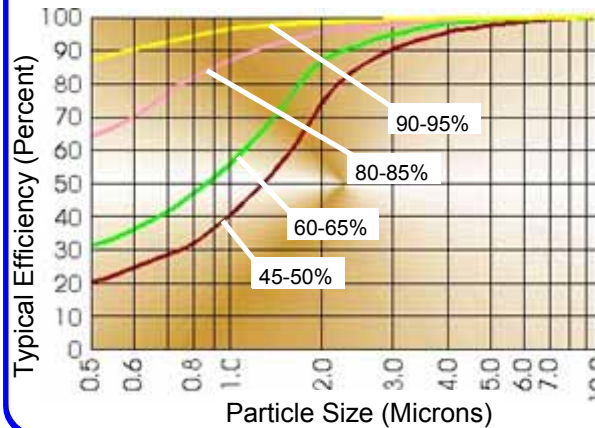
**AirCare** In-Line Modules

**AirCare** Safechange Modules for use with hazardous substances.

## Performance Data for Box Style Filters

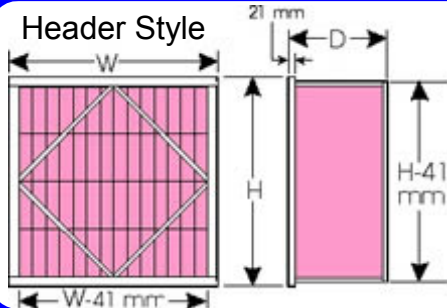
Product Code	Efficiency %	Actual Size (mm)			Media Area M <sup>2</sup>	Rated Flow L/s	Initial Pressure Drop Pa	
		W	H	D				
FI3020	>95	594	594	292	5.4	940	195	
FI3021	>95	289	594		2.6	470	195	
FI3820	90-95%	594	594		5.4	940	160	
FI3821	90-95%	289	594		2.6	470	160	
FI3720	80-85%	594	594		5.4	940	115	
FI3721	80-85%	289	594		2.6	470	115	
FI3620	60-65%	594	594		5.4	940	65	
FI3621	60-65%	289	594		2.6	470	65	
FI3520	45-50%	594	594		5.4	940	55	
FI3521	45-50%	289	594		2.6	470	55	
FI3030	>95	594	594		149	2.7	560	175
FI3031	>95	289	594			1.3	280	175
FI3830	90-95%	594	594	2.7		560	130	
FI3831	90-95%	289	594	1.3		280	130	
FI3730	80-85%	594	594	2.7		560	95	
FI3731	80-85%	289	594	1.3		280	95	
FI3630	60-65%	594	594	2.7		560	75	
FI3631	60-65%	289	594	1.3		280	75	
FI3530	45-50%	594	594	2.7		560	65	
FI3531	45-50%	289	594	1.3		280	65	

Recommended Final Pressure Drop on all **Airefil** Rigid-PAK filters is 375 Pa.



Colour Coding		
F5	45-50%	Brown
F6	60-65%	Green
F7	80-85%	Pink
F8	90-95%	Yellow
F9	>95%	White

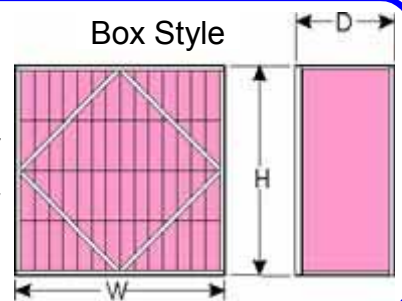
### Header Style



Performance data given above is for box-style filters.

Header-style Rigid-PAK filters are also available. The pressure drop figures for header style filters are approximately 16% higher for 594x594 mm models, and 28% higher for 289x594 mm models.

### Box Style



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Related Products:

**AirCare** In-Line Modules  
**AirCare** Safechange Modules  
**Airefil** Extended Surface Bag Filters  
**Airefil** Disposable Pleated PRE Filters  
**Airefil** Holding Frames  
**PAPWORTH ENGINEERING** Filter Housings

Data Sheets:

E54103  
E54104  
E54110  
E54111  
E54134  
E54146