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## ***Airefil* SEP Air Filters**

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Box Type



Header Type



- **Large surface area**
- **High temperature options available**
- **Efficiencies from F6 to F8**
- **Suitable for variable air volume systems**
- **Range of housings available**

## Description

**Airefil** SEP Air Filters are extended surface ASHRAE rated separator-type filters designed for use in commercial and industrial HVAC Systems. Performance is not affected by changes in air velocity or fan shutdown so they are suitable for use in VAV Systems.

## Quality Construction

**Airefil** SEP media is designed to withstand 100%RH, but is not designed to resist long-term operation in direct contact with water, steam, other vapours or fluids.

## Performance

Standard filters are rated for 100°C, but temperature ratings up to 400°C can be obtained.

The filters are generally operated at face velocities up to 1.9 m/s for standard 149 mm depth and 3.2 m/s for standard 292 mm depth filters.

Standard **Airefil** SEP Air Filters have aluminium frames with aluminium separators and a single neoprene gasket upstream. For other filters specify the size, the efficiency, the frame material, gasket locations, and any other options such as paper separators, high-temperature or faceguards.

## Mounting

Options include:

**AirCare** Inline Modules for in-duct applications.

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

**PAPWORTH ENGINEERING** Side Access Filter Housings.

## Physical and Performance Data for Box-Style Filters

Product Code	Efficiency	Actual Size	Media Area	Rated Airflow	Initial Pressure
		H x W x D mm	m <sup>2</sup>	L/S	(Pa)
FI3840	90-95%	594 x 594 x 292	13.15	940	80
FI3841	90-95%	289 x 594 x 292	6.04	470	80
FI3740	80-85%	594 x 594 x 292	13.15	940	65
FI3741	80-85%	289 x 594 x 292	6.04	470	65
FI3640	60-65%	594 x 594 x 292	13.15	940	35
FI3641	60-65%	289 x 594 x 292	6.04	470	35
FI3850	90-95%	594 x 594 x 149	6.07	470	140
FI3851	90-95%	289 x 594 x 149	2.78	235	140
FI3750	80-85%	594 x 594 x 149	6.07	470	130
FI3751	80-85%	289 x 594 x 149	2.78	235	130
FI3650	60-65%	594 x 594 x 149	6.07	470	85
FI3651	60-65%	289 x 594 x 149	2.78	235	85

Recommended maximum final pressure drop on all **Airefil** SEP Filters is 375 Pa

## Options

### Frame Material:

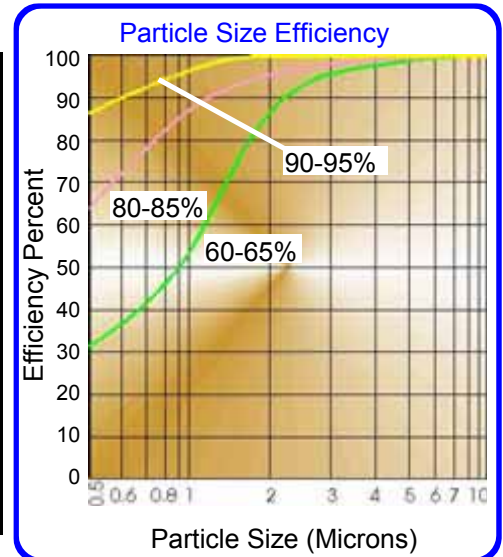
Aluminium	-	-A
Galvanised Steel	-	-G
Stainless Steel	-	-S
High Density Particle Board	-	-B

### Gasket / Faceguard Location:

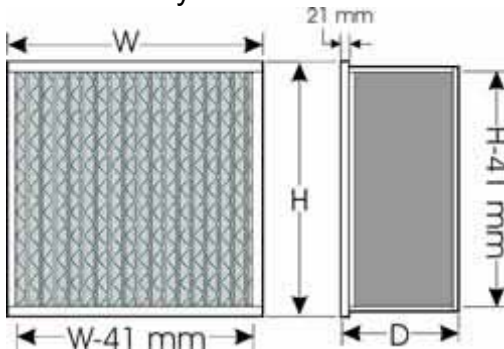
	Gasket	Faceguard
Upstream	-UG	-UF
Downstream	-DG	-DF
Both	-BG	-BF

### Extras:

Paper separators	-	-PS
High temperature	-	-Specify



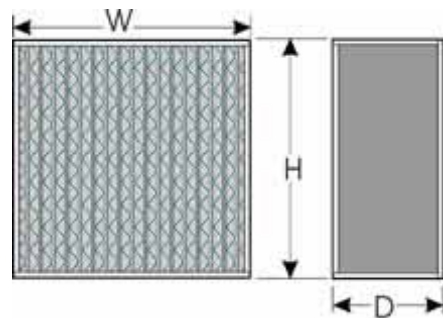
### Header Style



Performance data given above is for box-style filters.

Header-style SEP 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



### Related Products:

- AirCare** Inline Modules
- AirCare** Safechange Modules
- Airefil** V-Cell Filters
- PAPWORTH ENGINEERING** Filter Housings

### Data Sheets:

- E54103
- E54104
- E54115
- E54146

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