

# Rigifil

## Extended surface rigid air filter with synthetic media

- ➔ Layered synthetic media with plastic pleat spacers on both sides
- ➔ Heavy-duty expanded metal media support grid
- ➔ Ideal for VAV system
- ➔ Available in efficiency 90-95%, 80-85%, 60-65% and 40-45%



### Excellent performance

Rigifil is a rigid and durable extended surface filter that is ideal for Variable Air Volume (VAV) systems. It provides a high level of filtration in those applications where cleaner air is required.

With metal cell sides and a layered media pack, the Rigifil offers superior dust holding, moisture resistance and overall performance. Color-coded media designates each efficiency: yellow (90-95%), pink (80-85%), green (60-65%). Both single header and non-header are available.

### Sturdy construction and dependability

Rigifil, with its galvanized steel enclosing frame and plastic pleat spacers on the air-entering and air-leaving sides, withstands the most demanding applications. The pleat spacers and expanded metal support grid maintain the shape of the synthetic media pack and ensure both efficiency and dust-holding capacity are maximized. The wire grid covers less than 2% of the media area in such a manner that the surface for filtration is promising.

Rigifil's rigid construction with supported pleat media pack maintains a compact unitized structure under variable air velocities and repeated fan shutdowns.

The interlocked header and cellsides, along with entire length of each side, provide maximum sealing. Other brands are designed with loose fitting headers that allow greater potential for bypass leakage.

### Open header design

For Rigifil single header model, Filterfit's unique open-header design creates a built-in handle that makes carrying and installing Rigifil easy.

As an added safety measure, we roll the edges of the header to eliminate sharp edges that can make handling competitors' products hazardous.

### Layered synthetic media pack

The layered media used in Rigifil is a melt-blown synthetic protected by a scrim on the air-leaving side. Layering the media provides both a high-efficiency final filter layer that effectively filters fine particulate and an integral lofted prefilter layer that captures larger particulate.

Melt-blown synthetic media is stronger than fiberglass, non-shedding, and is water-resistant. The media pack is ultrasonic sewn both edges and is bonded to the cell sides to ensure a leak-free seal.

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### Selection guide & performance data:

Part no.	Model no. #	Efficiency %	Nominal size	Actual size	Airflow l/s	Resistance Pa.		Media area m2
			(mm) W x H x D	(mm) W x H x D		initial	final	
6-0220	M337-090-863	90-95 (F8)	610 x 610 x 300	595 x 595 x 300	944	105	375	5.67
6-0222	M337-090-319	90-95 (F8)	610 x 305 x 300	595 x 297 x 300	471	105	375	3.2
6-0216	M337-080-863	80-85 (F7)	610 x 610 x 300	595 x 595 x 300	944	77	375	5.67
6-0218	M337-080-319	80-85 (F7)	610 x 305 x 300	595 x 297 x 300	471	77	375	3.2
6-0212	M337-060-863	60-65 (F6)	610 x 610 x 300	595 x 595 x 300	944	45	375	5.67
6-0214	M337-060-319	60-65 (F6)	610 x 305 x 300	595 x 297 x 300	471	45	375	3.2

**Efficiency:**

90-95% (yellow)

80-85% (pink)

60-65% (green)

**Notes:**

All tested efficiencies are averages according to ASHRAE 52.1 test method.

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Rated UL and cUL class 2

Temperature limitation at 93 degrees Celsius and 107 degrees Celsius intermittent.

Actual depth of 300mm is 292mm

Model with header is 210mm

Width and height dimensions are interchangeable

Maximum recommended final resistance in system design may require a lower change-out point.