



Better Air is Our Business®

AmericanAirFilter®

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 systems
- Available in efficiency 90% - 95%, 80% - 85%, 60% - 65% and 40% - 45%



Excellent Performance

RigiFil® is a rigid, 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%), and white (45-50%). Both single header and non-header are available.

Sturdy Construction and Dependability

The 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 such a manner that the surface filtration is promising.

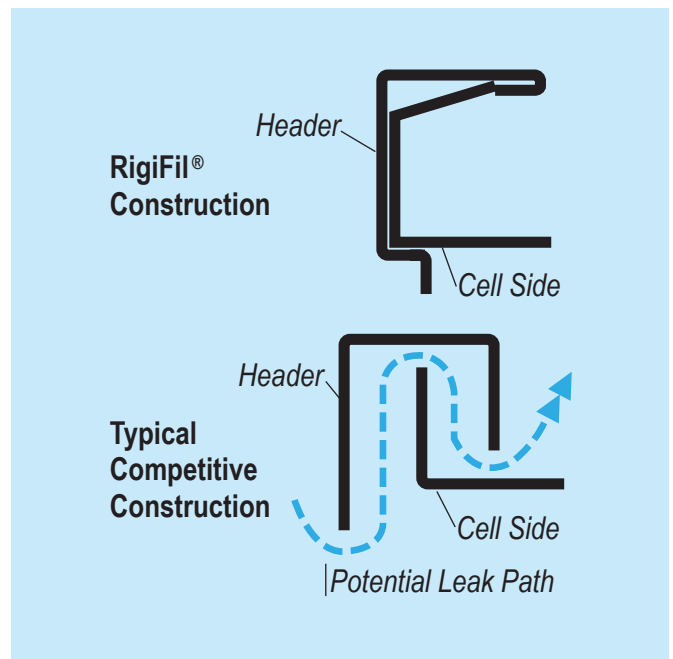
RigiFil® rigid construction with supported pleat media pack maintains a compact unitized structure under variable air velocities and repeated fan shutdowns. The interlocked header and cell sides, along with entire length of each side, provide maximum sealing. Competitive filters are designed with loose fitting headers that allow greater potential for bypass leakage.

Open Header Design

For RigiFil® single header model, AAF'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 the RigiFil® is a meltblown 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. Meltblown synthetic media is stronger than fiberglass, non-shedding, and is water-resistant. The media pack is ultrasonic sew both edge and is bonded to the cell sides to ensure a leak-free seal.



SELECTION GUIDE AND PERFORMANCE DATA

All Metal - Class 2 Synthetic

Part Number	Description	Nominal Size (In.) W x H x D	Actual Size (In.)	Airflow (cfm)	*Resistance (In. W.G.)		Media Area (ft ²)
					Initial	Final	
RigiFil® 90%-95% (Yellow)							
M337-090-863	RigiFil NH 90-95%	24x24x12	23.38x23.38x11.50	2000	0.42	1.50	61
M337-090-782	RigiFil NH 90-95%	20x24x12	19.38x23.38x11.50	1660	0.42	1.50	51
M337-090-700	RigiFil NH 90-95%	20x20x12	19.38x19.38x11.50	1400	0.42	1.50	42
M337-090-319	RigiFil NH 90-95%	12x24x12	11.38x23.38x11.50	1000	0.42	1.50	34
M337-190-863	RigiFil SH 90-95%	24x24x12	23.38x23.38x11.50	2000	0.56	1.50	53
M337-190-782	RigiFil SH 90-95%	20x24x12	19.38x23.38x11.50	1660	0.56	1.50	44
M337-190-700	RigiFil SH 90-95%	20x20x12	19.38x19.38x11.50	1400	0.56	1.50	36
M337-190-319	RigiFil SH 90-95%	12x24x12	11.38x23.38x11.50	1000	0.56	1.50	28
RigiFil® 80%-85% (Pink)							
M337-080-863	RigiFil NH 80-85%	24x24x12	23.38x23.38x11.50	2000	0.31	1.50	61
M337-080-782	RigiFil NH 80-85%	20x24x12	19.38x23.38x11.50	1660	0.31	1.50	51
M337-080-700	RigiFil NH 80-85%	20x20x12	19.38x19.38x11.50	1400	0.31	1.50	42
M337-080-319	RigiFil NH 80-85%	12x24x12	11.38x23.38x11.50	1000	0.31	1.50	34
M337-180-863	RigiFil SH 80-85%	24x24x12	23.38x23.38x11.50	2000	0.36	1.50	53
M337-180-782	RigiFil SH 80-85%	20x24x12	19.38x23.38x11.50	1660	0.36	1.50	44
M337-180-700	RigiFil SH 80-85%	20x20x12	19.38x19.38x11.50	1400	0.36	1.50	36
M337-180-319	RigiFil SH 80-85%	12x24x12	11.38x23.38x11.50	1000	0.36	1.50	28
RigiFil® 60%-65% (Green)							
M337-060-863	RigiFil NH 60-65%	24x24x12	23.38x23.38x11.50	2000	0.18	1.50	61
M337-060-782	RigiFil NH 60-65%	20x24x12	19.38x23.38x11.50	1660	0.18	1.50	51
M337-060-700	RigiFil NH 60-65%	20x20x12	19.38x19.38x11.50	1400	0.18	1.50	42
M337-060-319	RigiFil NH 60-65%	12x24x12	11.38x23.38x11.50	1000	0.18	1.50	34
M337-160-863	RigiFil SH 60-65%	24x24x12	23.38x23.38x11.50	2000	0.25	1.50	53
M337-160-782	RigiFil SH 60-65%	20x24x12	19.38x23.38x11.50	1660	0.25	1.50	44
M337-160-700	RigiFil SH 60-65%	20x20x12	19.38x19.38x11.50	1400	0.25	1.50	36
M337-160-319	RigiFil SH 60-65%	12x24x12	11.38x23.38x11.50	1000	0.25	1.50	28
RigiFil® 40%-45% (White)							
M337-040-863	RigiFil NH 40-45%	24x24x12	23.38x23.38x11.50	2000	0.17	1.50	61
M337-040-782	RigiFil NH 40-45%	20x24x12	19.38x23.38x11.50	1660	0.17	1.50	51
M337-040-700	RigiFil NH 40-45%	20x20x12	19.38x19.38x11.50	1400	0.17	1.50	42
M337-040-319	RigiFil NH 40-45%	12x24x12	11.38x23.38x11.50	1000	0.17	1.50	34
M337-140-863	RigiFil SH 40-45%	24x24x12	23.38x23.38x11.50	2000	0.23	1.50	53
M337-140-782	RigiFil SH 40-45%	20x24x12	19.38x23.38x11.50	1660	0.23	1.50	44
M337-140-700	RigiFil SH 40-45%	20x20x12	19.38x19.38x11.50	1400	0.23	1.50	36
M337-140-319	RigiFil SH 40-45%	12x24x12	11.38x23.38x11.50	1000	0.23	1.50	28

NOTES:

All listed efficiencies are averages according to ASHRAE 52.1.
 All performance data is based on ASHRAE 52.1 test method.
 Rated UL and cUL Class 2.
 Temperature limitation is 200°F (93°C) continuous and 220°F (107°C) intermittent.
 Actual depth of 12" is 11.50" (292mm).
 Headers is 13/16" (21mm).
 Width and height dimensions are interchangeable.

EFFICIENCY:

90-95% (Yellow), 80-85% (Pink), 60-65% (Green), 45-50% (White)

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



Better Air is Our Business®

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ISO 9001:2000 & ISO 14001:2004 Certified

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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