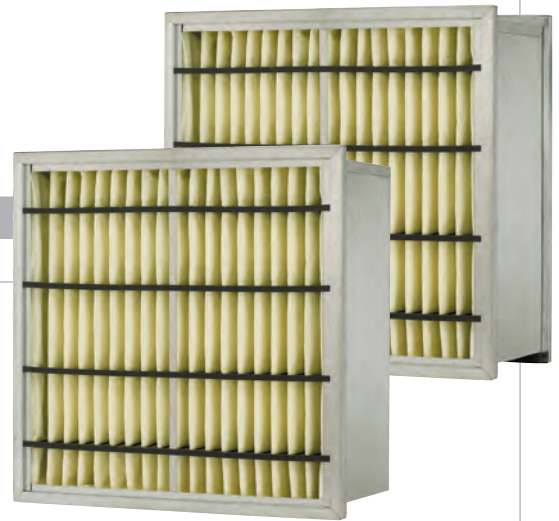


VariCel® RF (with Synthetic Media)

EXTENDED SURFACE RIGID AIR FILTER



- Designed for improved performance and durability
- Layered synthetic media with plastic pleat spacers on both sides
- Heavy-duty expanded metal media support grid
- Ideal for Variable Air Volume (VAV) systems

Excellent Performance

With superior strength and durability, the VariCel RF filter is ideal for VAV systems. It provides a high level of filtration efficiency in those applications where cleaner air is required. With metal cell sides and a layered synthetic media pack, the VariCel RF filter offers superior dust holding, moisture resistance, and overall performance. Color-coded media designates each efficiency: MERV 15 Yellow, MERV 14 Pink, MERV 12 Green, and MERV 11 White. Both single and double header models are available.

Sturdy Construction and Dependability

The VariCel RF filter, with its galvanized steel cell sides 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 that both the efficiency and dust holding capacity are maximized.

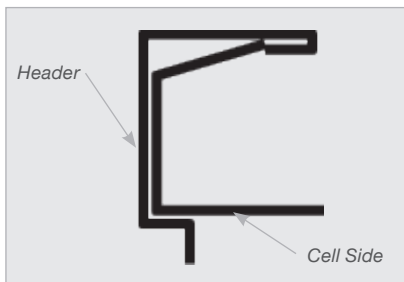
The rigid construction with supported pleat media pack maintains a compact unitized structure under variable air velocities and repeated fan shutdowns. The interlocked header and cell sides, along the entire length of each side, provide maximum sealing. Competitive filters are designed with loose fitting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

Layered Synthetic Media Pack

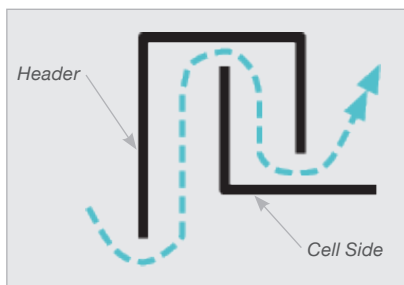
The layered media used in the VariCel RF filter is a meltblown synthetic protected by a scrim on the air leaving side. Layering the media provides both a high efficiency final filter layer that effectively filters fine particulate and an integral lofted prefilter layer that captures larger particulate. Meltblown synthetic media is stronger than fiberglass, non-shedding, and water resistant.

Open Header Design

AAF's unique open header design creates a built-in handle that makes carrying and installing the VariCel RF filter easy. As an added safety measure, we roll the edges of the header to eliminate sharp edges that can make handling competitors' products hazardous.



VariCel® RF Filter Construction



Typical Competitive Construction

VariCel® RF

Product Information

Part Number	Filter Description	MERV	Nominal Size (inches) (W x H x D)	Actual Size (inches) (W x H x D)	Rated Airflow Capacity (CFM)	Resistance (in. w.g.)		Gross Media Area (sq. ft.)
						Initial	Final*	
3011087-001	VariCel RF DH	15	24x24x12	23.38x23.38x11.50	2000	.56	1.5	62
3011087-004	VariCel RF DH	15	24x12x12	23.38x11.38x11.50	1000	.56	1.5	31
3011087-002	VariCel RF DH	15	24x20x12	23.38x19.38x11.50	1660	.56	1.5	52
3011087-003	VariCel RF DH	15	20x20x12	19.38x19.38x11.50	1400	.56	1.5	41
3011079-001	VariCel RF SH	15	24x24x12	23.38x23.38x11.50	2000	.56	1.5	62
3011079-004	VariCel RF SH	15	24x12x12	23.38x11.38x11.50	1000	.56	1.5	31
3011079-002	VariCel RF SH	15	24x20x12	23.38x19.38x11.50	1660	.56	1.5	52
3011079-003	VariCel RF SH	15	20x20x12	19.38x19.38x11.50	1400	.56	1.5	41
3011087-005	VariCel RF DH	14	24x24x12	23.38x23.38x11.50	2000	.36	1.5	62
3011087-008	VariCel RF DH	14	24x12x12	23.38x11.38x11.50	1000	.36	1.5	31
3011087-006	VariCel RF DH	14	24x20x12	23.38x19.38x11.50	1660	.36	1.5	52
3011087-007	VariCel RF DH	14	20x20x12	19.38x19.38x11.50	1400	.36	1.5	41
3011079-005	VariCel RF SH	14	24x24x12	23.38x23.38x11.50	2000	.36	1.5	62
3011079-008	VariCel RF SH	14	24x12x12	23.38x11.38x11.50	1000	.36	1.5	31
3011079-006	VariCel RF SH	14	24x20x12	23.38x19.38x11.50	1660	.36	1.5	52
3011079-007	VariCel RF SH	14	20x20x12	19.38x19.38x11.50	1400	.36	1.5	41
3011087-009	VariCel RF DH	12	24x24x12	23.38x23.38x11.50	2000	.25	1.5	62
3011087-012	VariCel RF DH	12	24x12x12	23.38x11.38x11.50	1000	.25	1.5	31
3011087-010	VariCel RF DH	12	24x20x12	23.38x19.38x11.50	1660	.25	1.5	52
3011087-011	VariCel RF DH	12	20x20x12	19.38x19.38x11.50	1400	.25	1.5	41
3011079-009	VariCel RF SH	12	24x24x12	23.38x23.38x11.50	2000	.25	1.5	62
3011079-012	VariCel RF SH	12	24x12x12	23.38x11.38x11.50	1000	.25	1.5	31
3011079-010	VariCel RF SH	12	24x20x12	23.38x19.38x11.50	1660	.25	1.5	52
3011079-011	VariCel RF SH	12	20x20x12	19.38x19.38x11.50	1400	.25	1.5	41
3011087-013	VariCel RF DH	11	24x24x12	23.38x23.38x11.50	2000	.23	1.5	62
3011087-016	VariCel RF DH	11	24x12x12	23.38x11.38x11.50	1000	.23	1.5	31
3011087-014	VariCel RF DH	11	24x20x12	23.38x19.38x11.50	1660	.23	1.5	52
3011087-015	VariCel RF DH	11	20x20x12	19.38x19.38x11.50	1400	.23	1.5	41
3011079-013	VariCel RF SH	11	24x24x12	23.38x23.38x11.50	2000	.23	1.5	62
3011079-016	VariCel RF SH	11	24x12x12	23.38x11.38x11.50	1000	.23	1.5	31
3011079-014	VariCel RF SH	11	24x20x12	23.38x19.38x11.50	1660	.23	1.5	52
3011079-015	VariCel RF SH	11	20x20x12	19.38x19.38x11.50	1400	.23	1.5	41

Notes

All performance data is based on ASHRAE Standard 52.2.
 Performance tolerances conform to Section 7.4 of ARI Standard 850-93.
 Actual depth of 12" filter is 11.50" (292mm).
 Headers are 1³/₁₆" (21mm).
 Width and height dimensions are interchangeable.

Operating Temperature Limits

Temperature limitation is 200°F (93°C) continuous, and 220°F (107°C) intermittent.

Underwriters Laboratories Classification

VariCel RF filters are UL Classified. Testing was performed according to UL Standard 900 and ULC-S111.

Efficiency

MERV 15 - Yellow
 MERV 14 - Pink
 MERV 12 - Green
 MERV 11 - White

*Maximum recommended final resistance in system design may indicate a lower changeout point.



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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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