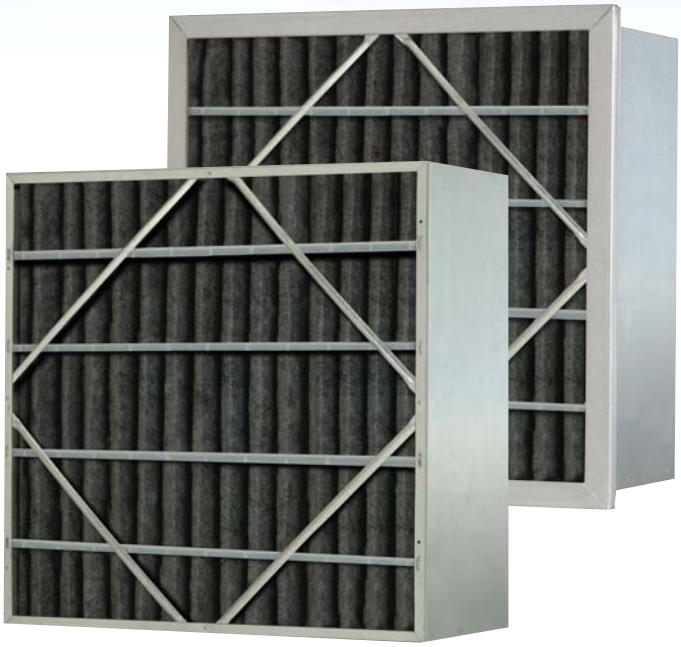
AAF INTERNATIONAL *Better Air is Our Business®*

AmericanAirFilter®

VariCel® RF/C
VariCel® RF/C+SAAFOxi™



Extended-Surface Rigid Air Filter for the Removal of Gaseous Pollutants, Odors and Particulates

- ***VariCel RF/C — 60% activity granular activated carbon***
- ***VariCel RF/C+SAAFOxi — 50/50 blend of 60% activated carbon and AAF's proprietary activated alumina impregnated with potassium permanganate ($KMnO_4$)***
- ***Particulate and gaseous contaminants removal in a UL Class 2 rated filter***
- ***MERV 8 (all models)***
- ***Single-header and no-header models***

Applications

- Airports
- Hospitals
- Industrial plant offices and laboratories
- Microelectronic component assembly
- Office, retail and commercial buildings

Excellent Performance

IAQ issues are unpredictable. They can appear suddenly and may be a one-time occurrence or an on-going nuisance. No matter what the cause, when the air smells bad, it is unpleasant, distracting and potentially unhealthy — and people associate unpleasant odors with dirty air. In many instances, making extensive changes to the air handling system to eliminate the problem is not easy, timely or cost effective.

The solution may be VariCel RF/C and VariCel RF/C+SAAFOxi filters. These filters provide high efficiency removal of multiple contaminants, including diesel engine fumes, for a variety of applications. VariCel RF/C filters use filter media containing 60% activity granular activated carbon to remove odors and gaseous pollution. VariCel RF/C+SAAFOxi filters are made with SAAFWeb™ technology containing equal volumes of 60% activated carbon and an exclusive formulation of activated alumina impregnated with 8% potassium permanganate ($KMnO_4$) to remove odors and light gases. Either loading will provide a fresher, more odor free environment.

Sturdy Construction and Dependability

The VariCel RF/C and RF/C+SAAFOxi filters, with galvanized steel construction and plastic pleat spacers on the air-entering and air-leaving sides, withstand the most demanding applications. The pleat spacers maintain the shape of the synthetic media pack and ensure that both the effectiveness and service life are maximized.

The strong construction, with a supported pleat media pack, helps maintain 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.

Additional Features

VariCel RF/C and RF/C+SAAFOxi filters replace existing HVAC filters of the same type with no changes required for frames or latches. They are packed in polyethylene to preserve capacity and cleanliness.

VariCel® RF/C and RF/C+SAAFOxi filters use SAAFWeb™ technology.

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Product Information

Product Number	Nominal Size (in.)	Actual Size (in.)	Media Area (ft. sq.)	Per Filter Pounds *GAC-Wt.*	*Initial Resistance (in. w.g.) 300 FPM	500 FPM	Final Resistance (in. w.g.)	MERV Rating
VariCel RF/C Filter (No Header)								
185-100-319	12 x 24 x 12	11⅜ x 23⅜ x 11½	29.0	3.8	.17	.43	1.5	8
185-100-700	20 x 20 x 12	19⅜ x 19⅜ x 11½	39.9	5.3	.17	.43	1.5	8
185-100-782	20 x 24 x 12	19⅜ x 23⅜ x 11½	48.3	6.4	.17	.43	1.5	8
185-100-863	24 x 24 x 12	23⅜ x 23⅜ x 11½	58.7	7.8	.17	.43	1.5	8
VariCel RF/C Filter Type SH (Single Header)								
185-101-319	12 x 24 x 12	11⅜ x 23⅜ x 11½	26.0	3.4	.17	.43	1.5	8
185-101-700	20 x 20 x 12	19⅜ x 19⅜ x 11½	35.4	4.7	.17	.43	1.5	8
185-101-782	20 x 24 x 12	19⅜ x 23⅜ x 11½	43.4	5.7	.17	.43	1.5	8
185-101-863	24 x 24 x 12	23⅜ x 23⅜ x 11½	52.6	7.0	.17	.43	1.5	8
VariCel RF/C+SAAFOxi Filter (No Header)								
185-110-319	12 x 24 x 12	11⅜ x 23⅜ x 11½	29.0	4.8	.17	.43	1.5	8
185-110-700	20 x 20 x 12	19⅜ x 19⅜ x 11½	39.9	6.6	.17	.43	1.5	8
185-110-782	20 x 24 x 12	19⅜ x 23⅜ x 11½	48.3	8.0	.17	.43	1.5	8
185-110-863	24 x 24 x 12	23⅜ x 23⅜ x 11½	58.7	9.7	.17	.43	1.5	8
VariCel RF/C+SAAFOxi Filter Type SH (Single Header)								
185-111-319	12 x 24 x 12	11⅜ x 23⅜ x 11½	26.0	4.3	.17	.43	1.5	8
185-111-700	20 x 20 x 12	19⅜ x 19⅜ x 11½	35.4	5.9	.17	.43	1.5	8
185-111-782	20 x 24 x 12	19⅜ x 23⅜ x 11½	43.4	7.2	.17	.43	1.5	8
185-111-863	24 x 24 x 12	23⅜ x 23⅜ x 11½	52.0	8.6	.17	.43	1.5	8

Notes:
All performance data is based on ASHRAE 52.2 test method.
Performance tolerances conform to section 7.4 of ARI Standard 850-78.
Rated UL and C-UL Class 2.
Width and height dimensions are interchangeable.
Headers are 13/16" (21mm).

Efficiency:
All models MERV 8.
*Maximum recommended final resistance in system design may indicate a lower change-out point.

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