

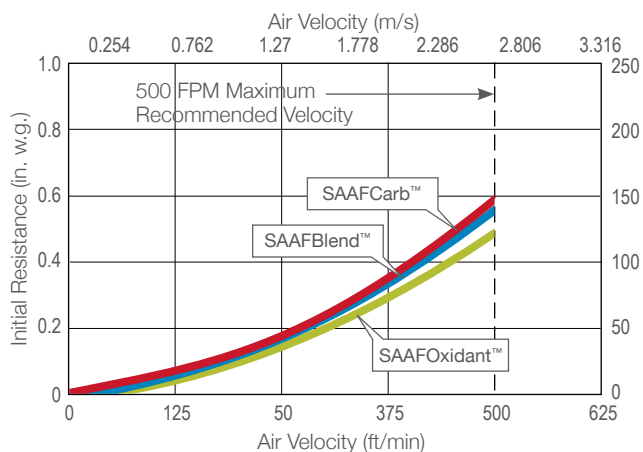
Gas-Phase Products

Gas-Phase**SAAF™ Cassette Cleanroom Grade****Product Overview**

- One-piece construction reduces bypass
- Form and fit unlike any other 12"-deep, 1" gas filtration cassette
- Improved fit and sealing, even when deployed in older cassette holding systems
- Designed to enhance media utilization
- Constructed without glue to eliminate problems from spills, offgassing, bypass, and leakage
- Patented cassette design and manufacturing process patents covered under US 7,588,629 B2
- Filled cassettes UL Classified

**Specifications**

Filter Depth	12"
Media Type	Chemical
Frame Material	High Impact Polystyrene (HIPS)
Special Size Available	No

Initial Resistance vs. Airflow Capacity**Product Information**

Part Number	Nominal Size Inches (W x H x D)	Media Type	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)
3024155-002	12 x 24 x 12	SAAFOxidant	1	28.0
3024155-003	12 x 24 x 12	SAAFCarb	1	30.0
3024155-004	12 x 24 x 12	SAAFCarb MA	1	30.0
3024155-005	12 x 24 x 12	SAAFCarb MB	1	30.0
3024155-007	12 x 24 x 12	SAAFBleed GP	1	30.0
3024155-008	12 x 24 x 12	SAAFBleed WS	1	29.0
3024155-009	12 x 24 x 12	SAAFCarb MA.HT	1	30.0
3024155-012	12 x 24 x 12	SAAFOxidant SC	1	28.0
3024155-013	12 x 24 x 12	SAAFBleed GP SC	1	30.0

Gasket kits for installation into side access housings also available upon request.

Gas-Phase

SAAF™ Cassette Heavy Duty

Product Overview

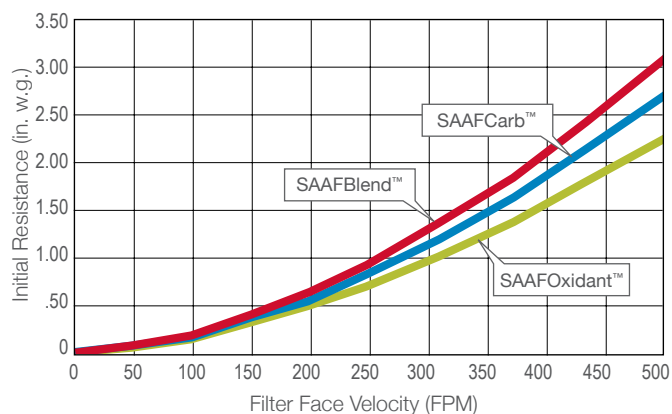
- Form and fit unlike any other 12"-deep, 3" gas filtration cassette
- Improved fit and sealing, even when deployed in older cassette holding systems
- Designed to enhance media utilization
- Constructed without glue to eliminate problems from spills, offgassing, bypass, and leakage
- Patented cassette design and manufacturing process patents covered under US 7,588,629 B2
- Filled cassettes are UL Classified



Specifications

Filter Depth	12"
Media Type	Chemical
Frame Material	High impact polystyrene (HIPS)
Special Size Available	No

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Nominal Size Inches (W x H x D)	Media Type	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)
3024130-002	12 x 24 x 12	SAAFOxidant	1 set	42.0
3024130-003	12 x 24 x 12	SAAFCarb	1 set	47.0
3024130-004	12 x 24 x 12	SAAFCarb MA	1 set	47.0
3024130-005	12 x 24 x 12	SAAFCarb MB	1 set	47.0
3024130-007	12 x 24 x 12	SAAFBBlend GP	1 set	47.0
3024130-008	12 x 24 x 12	SAAFBBlend WS	1 set	45.0
3024130-009	12 x 24 x 12	SAAFCarb MA.HT	1 set	47.0
3024130-012	24 x 12 x 12	SAAFOxidant SC	1 set	42.0
3024130-013	24 x 12 x 12	SAAFBBlend GP SC	1 set	47.0

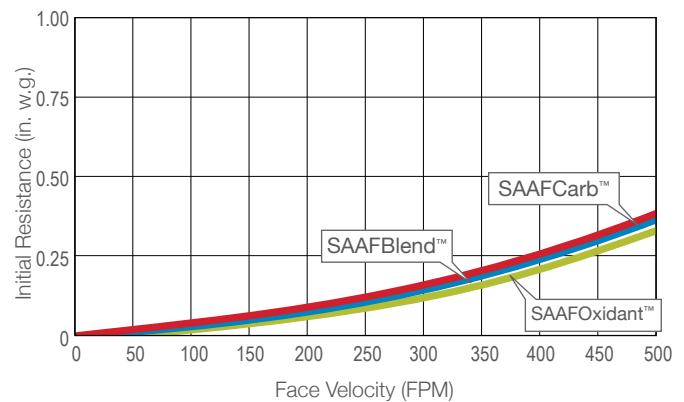
Gasket kits for installation into side access housings also available upon request.

Gas-Phase**SAAF™ Cassette Medium Duty****Product Overview**

- Form and fit unlike any other 18"-deep, 1" gas filtration cassette
- Improved fit and sealing, even when deployed in older cassette holding systems
- Designed to enhance media utilization
- Constructed without glue to eliminate problems from spills, offgassing, bypass, and leakage
- Patented cassette design and manufacturing process patents covered under US 7,588,629 B2
- Filled cassettes are UL Classified

**Specifications**

Filter Depth	18"
Media Type	Chemical
Frame Material	High impact polystyrene (HIPS)
Special Size Available	No

Initial Resistance vs. Face Velocity**Product Information**

Part Number	Nominal Size Inches (W x H x D)	Media Type	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)
3024148-002	6 x 24 x 18	SAAFOxidant	1 set	25.0
3024148-003	6 x 24 x 18	SAAFCarb	1 set	27.0
3024148-004	6 x 24 x 18	SAAFCarb MA	1 set	27.0
3024148-005	6 x 24 x 18	SAAFCarb MB	1 set	27.0
3024148-007	6 x 24 x 18	SAAFBlend GP	1 set	27.0
3024148-008	6 x 24 x 18	SAAFBlend WS	1 set	26.0
3024148-009	6 x 24 x 18	SAAFCarb MA.HT	1 set	27.0
3024148-012	6 x 24 x 18	SAAFOxidant SC	1 set	25.0
3024148-013	6 x 24 x 18	SAAFBlend GP SC	1 set	27.0

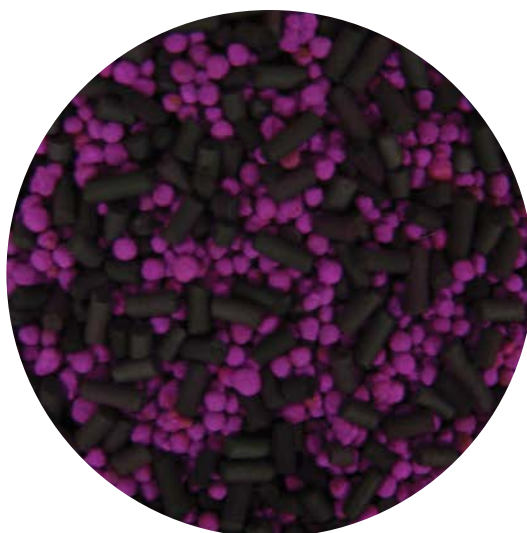
Gasket kits for installation into side access housings also available upon request.

Gas-Phase

SAAFBlend™ GP

Product Overview

- Targets reactive compounds and volatile organic compounds
- Removes toxic and impure gases by physical adsorption
- Equal volumetric mix of SAAFOxidant™ and SAAFCarb™ media
- Suitable for use in commercial and industrial applications
- Accurate service life testing
- Target contaminants include:
 - Formaldehyde
 - Hydrocarbons (VOCs)
 - Hydrogen sulfide
 - Lower molecular weight aldehydes and organic acids
 - Nitric oxide
 - Nitrogen dioxide
 - Sulfur dioxide



Specifications

SAAFOxidant™ Media Fraction	
Apparent Density	0.8 g/cc +/- 10%
Crush Strength	25 N minimum
KMnO ₄ Content	8 wt % minimum
Nominal Diameter	4 mm
Shape	Sphere

SAAFCarb™ Media Fraction	
Apparent Density	0.8 g/cc +/- 10%
Carbon Description	Virgin
Raw Material	Coal
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

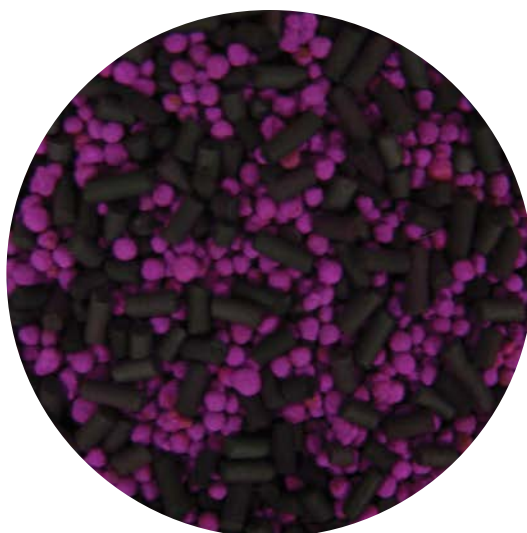
Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-001	SAAFBlend GP (50/50 Mix)	43	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-001	SAAFBlend GP (50/50 Mix)	1100	27.5
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFBlend™ GP SC

Product Overview

- Targets reactive compounds and volatile organic compounds
- Accurate service life testing
- Equal volumetric mix of SAAFOxidant™ SC and SAAFCarb™ media
- Suited for use in commercial and industrial applications
- Target contaminants include:
 - Formaldehyde
 - Hydrocarbons (VOCs)
 - Hydrogen sulfide
 - Lower molecular weight aldehydes and organic acids
 - Nitric oxide
 - Nitrogen dioxide
 - Sulfur dioxide



Specifications

SAAFOxidant™ Media Fraction	
Apparent Density	0.8 g/cc +/- 10%
Crush Strength	25 N minimum
KMnO ₄ Content	4 wt % minimum
Nominal Diameter	4 mm
Shape	Sphere

SAAFCarb™ Media Fraction	
Apparent Density	0.5 g/cc +/- 10%
Carbon Description	Virgin
Raw Material	Coal
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-003	SAAFBlend GP SC (50/50 Mix)	43	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-003	SAAFBlend GP SC (50/50 Mix)	1100	27.5
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFOxidant™

Product Overview

- Removes and holds contaminants by chemical conversion
- Non-flammable and non-toxic
- Accurate service life testing
- Does not support bacterial and fungal growth
- Patented high capacity formulation
- UL Classified



Specifications

Apparent Density	0.8 g/cc +/- 10%
Crush Strength	25 N minimum
KMnO ₄ Content	8 wt % minimum
Nominal Diameter	4 mm
Shape	Sphere

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-100	SAAFOxidant	50	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
033-050-021	SAAFOxidant	1100	22.0
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFOxidant™ SC

Product Overview

- Removes and holds contaminants by chemical conversion
- Non-flammable and non-toxic
- Accurate service life testing
- Does not support bacterial and fungal growth
- Easy disposal by landfill
- Patented formulation
- UL Classified



Specifications

Apparent Density	0.8 g/cc +/- 10%
Crush Strength	25 N minimum
KMnO ₄ Content	4 wt % minimum
Nominal Diameter	4 mm
Shape	Sphere

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-110	SAAFOxidant SC	50	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
033-050-022	SAAFOxidant SC	1100	22.0
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFCarb™

Product Overview

- Pelletized activated carbon media that removes toxic and impure contaminants from the atmosphere
- Quick and easy media changeovers
- Resists a wide range of impure gases
- Low pressure drop and high adsorptive capacity



Specifications

Apparent Density	0.5 g/cc +/- 10%
Carbon Description	Virgin
Raw Material	Coal
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-200	SAAFCarb	30	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-200	SAAFCarb	1100	36.7
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			
Special Containers			
395-919-200	SAAFCarb (50-lb bag)	50	1.7
NOTE: All media packaged in Special Containers is sold per pound. Containers cannot be broken.			

Gas-Phase

SAAFCarb™ MA

Product Overview

- Manufactured exclusively for acidic corrosive environments
- Targeted contaminant removal capacity for acid gases
- Provides extended equipment protection with infrequent media changeovers
- Compatible for use in all carbon-based air filtration systems
- Low pressure drop and high adsorptive capacity



Specifications

Apparent Density	0.6 g/cc (~37 lb/ft ³) +/- 10%
Carbon Description	Impregnated
Raw Material	Coal
CTC	60 wt % minimum
H ₂ S gas capacity	0.12-0.15 g H ₂ S/cc media
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-300	SAAFCarb MA	34	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-300	SAAFCarb MA	1100	31.5
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			
Special Containers			
395-919-300	SAAFCarb MA (50-lb bag)	50	1.5
NOTE: All media packaged in Special Containers is sold per pound. Containers cannot be broken.			

Gas-Phase

SAAFCarb™ MC

Product Overview

- Targeted contaminant removal for chlorine
- Provides extended equipment protection with infrequent media changeovers
- Compatible for use in all carbon-based air filtration systems
- Low pressure drop and high adsorptive capacity



Specifications

Apparent Density	0.6 g/cc (~37 lb/ft ³) +/- 10%
Carbon Description	Impregnated
Cl ₂ Gas Capacity	0.04 g Cl ₂ / cc Carbon +/- 10%
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-500	SAAFCarb MC	34	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-500	SAAFCarb MC	1100	31.5
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFCarb™ MB

Product Overview

- Provides effective removal of ammonia gas
- Effective removal of Volatile Organic Compounds (VOCs)
- Low pressure drop
- Specifically impregnated media



Specifications

Apparent Density	0.6 g/cc (~37 lb/ft ³) +/- 15%
Carbon Description	Impregnated
Cl ₂ Gas Capacity	Coal
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-400	SAAFCarb MB	34	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-400	SAAFCarb MB	1100	31.5
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFCarb™ MA.HT

Product Overview

- High capacity, chemical media targeted for H₂S removal
- Provides extended equipment protection with infrequent media changeovers
- Compatible for use in all carbon-based air filtration systems
- Low pressure drop and high adsorptive capacity



Specifications

Apparent Density	0.42 g/cc (~26 lb/ft ³) +/- 10%
Carbon Description	Non-Impregnated
CTC	60 wt % minimum
H ₂ S Gas Capacity	0.28 g H ₂ S/cc media +/- 10%
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

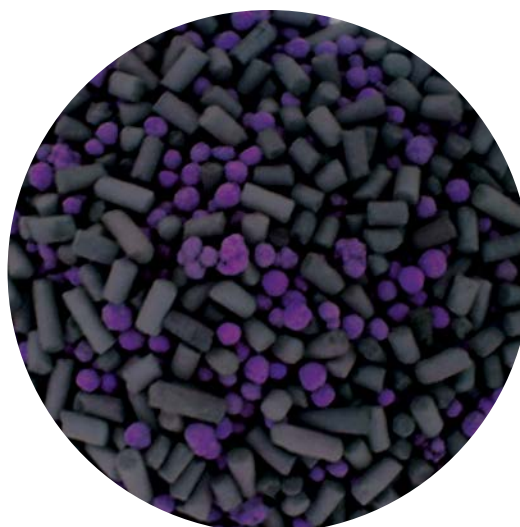
Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-800	SAAFCarb MA.HT	28	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-800	SAAFCarb MA.HT	1100	39.3
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

SAAFBBlend™ WS

Product Overview

- Targets acidic gases, volatile organic compounds, reactive molecular weight organics
- Accurate service life testing
- Equal volumetric mix of SAAFOxidant™, SAAFCarb™, and SAAFCarb™ MA media
- Target contaminants include:
 - Formaldehyde
 - Hydrocarbons (VOCs)
 - Hydrogen sulfide
 - Lower molecular weight aldehydes and organic acids
 - Nitric oxide
 - Nitrogen dioxide
 - Sulfur dioxide



Specifications

SAAFOxidant™ Media Fraction	
Apparent Density	0.8 g/cc +/- 10%
Crush Strength	25 N minimum
KMnO ₄ Content	8 wt % minimum
Nominal Diameter	4 mm
Shape	Sphere

SAAFCarb™ MA Media Fraction	
Apparent Density	0.6 g/cc +/- 10%
Carbon Description	Impregnated
Raw Material	Coal
CTC	60 wt % minimum
H ₂ S Gas Capacity	0.12-0.15 g H ₂ S/cc media
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

SAAFCarb™ Media Fraction	
Apparent Density	0.5 g/cc +/- 10%
Carbon Description	Virgin
Raw Material	Coal
CTC	60 wt % minimum
Hardness	95% minimum
Nominal Diameter	4 mm
Shape	Cylindrical pellet

Product Information

Part Number	Media Type	Media Wgt. per Container (Lbs.)	Shipping Container Volume (Cubic Feet)
Cubic Foot Containers			
395-914-002	SAAFBBlend WS (33/33/33 Mix)	40	1.2
NOTE: All media packaged in Cubic Foot Containers is sold per container. Containers cannot be broken.			
Large Super Sack Containers			
395-913-002	SAAFBBlend WS (33/33/33 Mix)	1100	29.7
NOTE: All media packaged in Large Super Sack Containers is sold per pound. The weights should be sold in multiples of the container weight.			

Gas-Phase

VariSorb® XL15

Product Overview

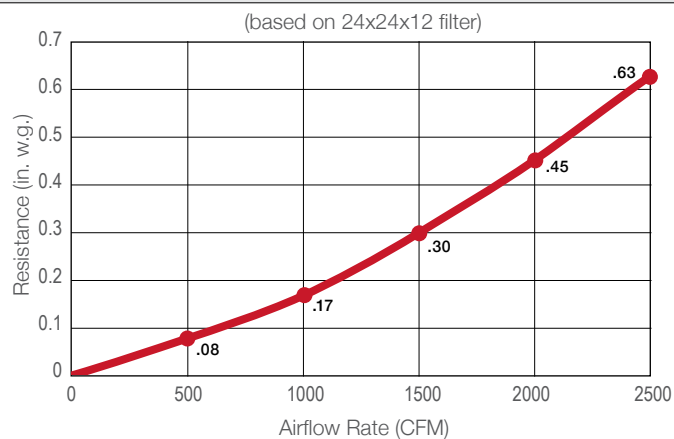
- A complete solution to Indoor Air Quality (IAQ) by providing high level filtration of both odors and particulates
- Directly replaces existing 12" deep single header filters, adding odor control and/or upgrading particulate filtration without requiring new hardware
- Highest activity carbon for most odor/contaminant adsorption
- Minipleat design for low resistance and energy savings, allows for upgrade to chemical filtration without adding resistance
- Higher Dust Holding Capacity (DHC) and higher molecular contaminant efficiency than any similar dual purpose filter produced today
- Lighter weight than any competitive dual purpose filter, for additional savings on operating costs
- Completely incinerable, no metal components
- MERV 15 particulate efficiency



Specifications

Efficiency	MERV 15
Filter Depth	12"
Media Type	Synthetic w Embedded Carbon
Frame Material	HIPS & ABS Plastic
Special Size Available	No
Header Style	Single
Max Operating Temperature	130°F (54°C)

Initial Resistance vs. Airflow



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Cubic Ft.
Ungasketed					
3100465-001	24 x 12 x 12	23¾ x 11¾ x 11½	1	9.1	2.2
3100465-002	24 x 20 x 12	23¾ x 19¾ x 11½	1	14.9	3.6
3100465-003	24 x 24 x 12	23¾ x 23¾ x 11½	1	17.8	4.3
3100465-008	20 x 20 x 12	19¾ x 19¾ x 11½	1	12.5	3.6
Gasket on Air Leaving Side					
3100465-004	24 x 12 x 12	23¾ x 11¾ x 11½	1	9.2	2.2
3100465-005	24 x 20 x 12	23¾ x 19¾ x 11½	1	15.0	3.6
3100465-006	24 x 24 x 12	23¾ x 23¾ x 11½	1	17.9	4.3
3100465-007	20 x 20 x 12	19¾ x 19¾ x 11½	1	12.5	3.6

Gas-Phase

VariSorb® XL

Product Overview

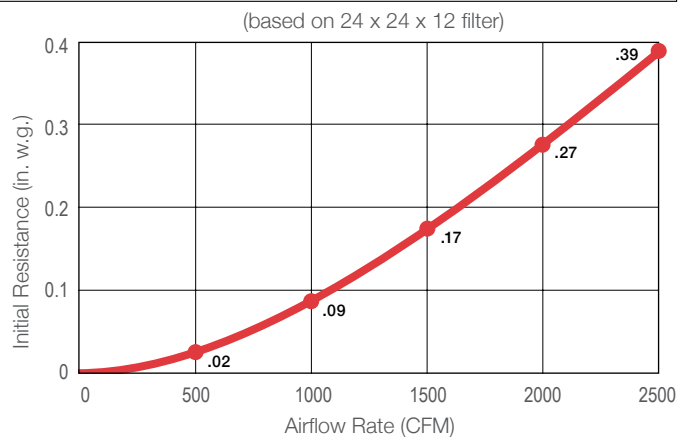
- Highest activity carbon media for superior Indoor Air Quality (IAQ)
- Effective removal of most common urban contaminants, including SO_x, NO_x, Ozone, and Volatile Organic Compounds (VOCs)
- Small granule carbon ensures a much higher efficiency per pound than media used in deep bed adsorbers
- Carbon media is securely bonded to synthetic fibers, nearly eliminating dusting
- Designed to minimize pressure drop
- Metal free design will not rust or corrode, and is fully incinerable



Specifications

Filter Depth	12"
Media Type	Synthetic w/ Embedded Carbon
Frame Material	HIPS & ABS Plastic
Special Size Available	No
Header Style	Single
Max Operating Temperature	130°F (54°C)

Initial Resistance vs. Airflow



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Cubic Ft.
Ungasketed					
3039567-001	24 x 12 x 12	23 $\frac{3}{8}$ x 11 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	11.0	2.2
3039567-002	24 x 20 x 12	23 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	17.0	3.6
3039567-003	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	20.0	4.3
3039567-008	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	12.5	3.6
Gasket on Air Leaving Side					
3039567-004	24 x 12 x 12	23 $\frac{3}{8}$ x 11 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	11.0	2.2
3039567-005	24 x 20 x 12	23 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	17.0	3.6
3039567-006	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	20.0	4.3
3039567-007	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	12.5	3.6

Gas-Phase

VariSorb® HC

Product Overview

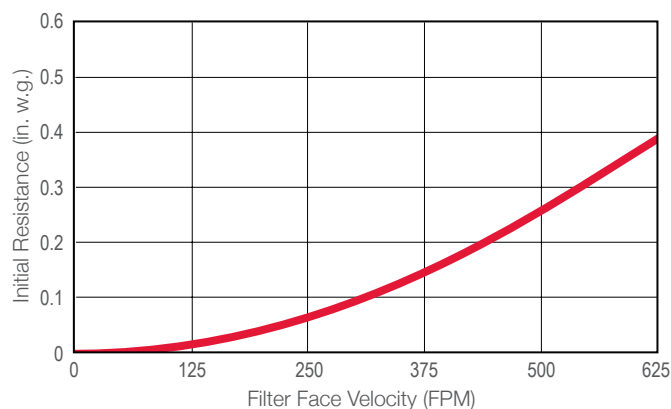
- High chemical media content for superior Indoor Air Quality (IAQ)
- Three types of carbon media available to specifically target contaminants and odors:
 - SAAFCarb: removes Volatile Organic Compounds (VOCs), hydrocarbons, and diesel/jet fuel fumes
 - SAAFOxidant: removes H₂S, SO_x, NO_x, and formaldehyde
 - SAAFBBlend GP: a 50/50 blend of the above for wide spectrum air quality control
- V-bank design minimizes pressure drop
- Honeycomb design with fine mesh to retain the media
- Metal free design will not rust or corrode, and is fully incinerable



Specifications

Filter Depth	12"
Media Type	Chemical
Frame Material	HIPS & ABS Plastic
Special Size Available	No
Header Style	Single
Max Operating Temperature	125°F (52°C)

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Cubic Ft.
with SAAFCarb™					
411-500-319	24 x 12 x 12	23¾ x 11¾ x 11½	1	14.0	2.2
411-500-859	24 x 20 x 12	23¾ x 19¾ x 11½	1	24.0	3.6
411-500-863	24 x 24 x 12	23¾ x 23¾ x 11½	1	28.0	4.3
with SAAFOxidant™					
411-501-319	24 x 12 x 12	23¾ x 11¾ x 11½	1	18.0	2.2
411-501-859	24 x 20 x 12	23¾ x 19¾ x 11½	1	31.0	3.6
411-501-863	24 x 24 x 12	23¾ x 23¾ x 11½	1	37.0	4.3
with SAAFBBlend GP™ (50/50 Mix)					
411-502-319	24 x 12 x 12	23¾ x 11¾ x 11½	1	16.0	2.2
411-502-859	24 x 20 x 12	23¾ x 19¾ x 11½	1	27.0	3.6
411-502-863	24 x 24 x 12	23¾ x 23¾ x 11½	1	32.0	4.3

Gas-Phase

SuperFlow® VC

Product Overview

- V-bank multi panel design allows for high efficiency against odors and low pressure drop
- Five impregnated carbon blends available for targeted control of difficult contaminants
- 8-panel configuration for maximum airflow exposure to media without bypass
- Suitable for initial construction but also designed for retrofit of most existing HVAC systems, in front or side-access configurations
- Contaminants that can be adsorbed include: H₂S, acid gasses, formaldehyde, ammonia, aldehydes, amines, and more
- Easy installation and disposal, especially compared to systems with multiple separate media trays

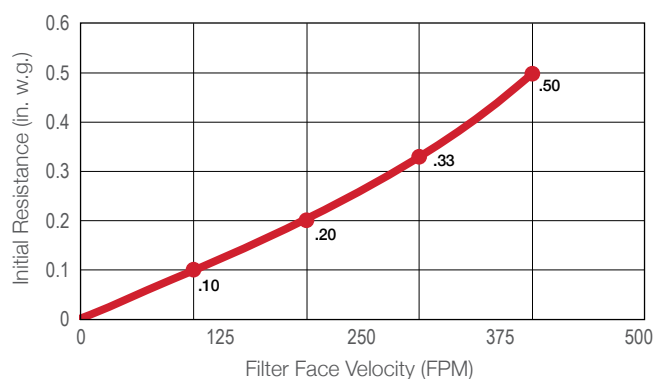


Specifications

Filter Depth	12"
Media Type	Chemical
Frame Material	ABS Plastic w/Metal Supports
Special Size Available	No
Header Style	Single*
Max Operating Temperature	150°F (65°C)

*Double Header or Box Style (full wrap) available upon request.

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)
SFVC-*-242412	24 x 24 x 12	23¾ x 23¾ x 11½	1	34.0
SFVC-*-122412	12 x 24 x 12	11¾ x 23¾ x 11½	1	17.0
SFVC-*-202412	20 x 24 x 12	19¾ x 23¾ x 11½	1	25.0

To develop a complete model number, replace the * in the above with the corresponding gas-phase media blend desired from the below table:

Media Type	Description	Media Weight (per each 24 x 24 filter)
TS201	For adsorption of VOCs (Volatile Organic Compounds); Media produced from virgin coconut shell.	25
TS202	For control of acid and malodorous gasses	29
TS204	For control of ammonia and light organic amines	28
TS205	For control of aldehydes	29
TS209	Blended media for universal adsorption of both acid and alkaline gasses/vapors.	32

For example: Model number SFVC-TS201-242412 would be a 24x24x12 filter with media for control of VOCs.

Polyfoam gasketing material shipped loose with each filter, standard. Additional available options include: "SuperFlow VC Light" with 75% media fill, Preinstalled gasketing (upstream or on both sides), Box style full metal wrap, double header frame style, or downstream media wrap (dusting sack). Contact your local AAF Flanders representative for details.

Gas-Phase

VaporClean®

Product Overview

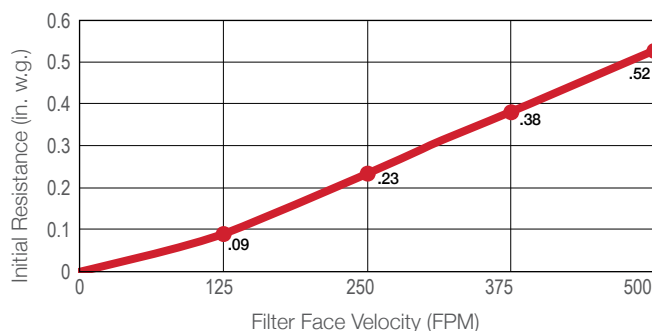
- Designed for removal of molecular contaminants at low concentration levels
- Utilizes Dry Processed Carbon Composite media (DPCC) for high efficiency removal of multiple contaminants
- Five impregnated carbon blends available for targeted control of difficult contaminants
- Maximized chemical media surface area and consistent distribution
- Non-dusting design with carbon media granules bonded to polyester fibers
- Low initial pressure drop



Specifications

Filter Depth	12"
Media Type	Chemical
Frame Material	Galvanized Steel
Special Size Available	No
Header Style	Single, Box Style
Max Operating Temperature	120°F (49°C)

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box
Box Style Frame			
VC-*-16-00-2424-00	24 x 24 x 12	23¾ x 23¾ x 11½	1
VC-*-16-00-1224-00	12 x 24 x 12	11¾ x 23¾ x 11½	1
VC-*-16-00-2024-00	20 x 24 x 12	19¾ x 23¾ x 11½	1
Single Header Style			
VC-*-16-01-2424-00	24 x 24 x 12	23¾ x 23¾ x 11½	1
VC-*-16-01-1224-00	12 x 24 x 12	11¾ x 23¾ x 11½	1
VC-*-16-01-2024-00	20 x 24 x 12	19¾ x 23¾ x 11½	1

Available options include gasketing (upstream, downstream or both sides), and alternate frame materials. Contact your local AAF Flanders representative for details.

To develop a complete model number, replace the * in the above with the corresponding gas-phase media blend desired from the below table:

Available VaporClean media blends and effectiveness vs. various contaminants					
	VC-1501	VC-1076	VC-1073	VC-1090	VC-1075
Very Effective					
Effective					
Not Effective					
	HC HCOH AG NH ₃ O ₃	HC HCOH AG NH ₃ O ₃	HC HCOH AG NH ₃ O ₃	HC HCOH AG NH ₃ O ₃	HC HCOH AG NH ₃ O ₃

Contaminant Matching

Match the VaporClean media type to the contaminant of concern

HC	Hydrocarbons
HCOH	Formaldehyde
AG	Acid Gases
NH ₃	Ammonia
O ₃	Ozone

Media Type	Effective Against	Typical Application
1501	VOCs, Acid and Alkaline Gasses	Diesel Exhaust, Cooking Odors
1073	Acid Gasses	Museums, Document Storage
1075	Wide-Spectrum of VOCs and acids	Sewer Odors
1076	Hydrocarbons, Ozone	Corrosive Environments
1090	Alkaline Gasses	Animal Odors

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Gas-Phase

VariCel® RF/C & RF/C+SAAFoxi

Product Overview

- Offers both particulate and gaseous contaminant removal
- Two types available:
 - VariCel RF/C: removes Volatile Organic Compounds (VOCs), hydrocarbons, and diesel/jet fuel fumes
 - VariCel RF/C+SAAFoxi: removes the above along with H₂S, SO_x, NO_x, and formaldehyde
- Galvanized steel construction withstands the most demanding conditions
- Media pack designed to maximize effectiveness and service life
- Directly replaces existing 12" deep single header filters, adding odor control without requiring new hardware



Specifications

Efficiency	MERV 8
Filter Depth	12"
Media Type	Chemical
Frame Material	Galvanized Steel
Special Size Available	No
Header Style	Single, Box Style
Max Operating Temperature	125°F (52°C)
Air Filtration Certification	UL 900, ULC-S111

Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Media Area (Sq. Ft.)	Media Weight (Lbs. per Filter)
VariCel® RF/C – No Header with Carbon						
185-100-319	12 x 24 x 12	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	2	24.0	29.0	3.8
185-100-700	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	13.7	39.9	5.3
185-100-782	20 x 24 x 12	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	15.3	48.3	6.4
185-100-863	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	17.5	58.7	7.8
VariCel® RF/C Type SH – Single Header with Carbon						
185-101-319	12 x 24 x 12	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	2	23.2	26.0	3.4
185-101-700	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	13.9	35.4	4.7
185-101-782	20 x 24 x 12	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	15.8	43.4	5.7
185-101-863	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	18.0	52.6	7.0
VariCel® RF/C+SAAFoxi - No Header with 50/50 Blend						
185-110-319	12 x 24 x 12	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	2	26.4	26.0	4.8
185-110-700	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	15.2	39.9	6.6
185-110-782	20 x 24 x 12	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	17.1	48.3	8.0
185-110-863	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	19.8	58.7	9.7
VariCel® RF/C+SAAFoxi Type SH - Single Header with 50/50 Blend						
185-111-319	12 x 24 x 12	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	2	23.4	26.0	4.3
185-111-700	20 x 20 x 12	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	15.2	35.4	5.9
185-111-782	20 x 24 x 12	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	17.3	43.4	7.2
185-111-863	24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1	19.7	52.0	8.6

Gas-Phase

AmAir®/C Family of Filters

Product Overview

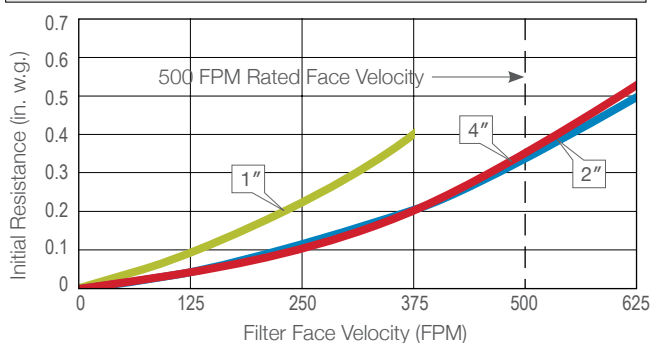
- Easy and economical solution to many gaseous contaminant problems
- High chemical media density yields superior odor control
- MERV 7 particulate efficiency
- Directly replaces existing 1", 2", or 4" filters, adding odor control without requiring new hardware
- Controls odors and removes corrosive elements from the airstream
- Three types of carbon media available to specifically target certain contaminants and odors



Specifications

Efficiency	MERV 7
Filter Depth	1", 2", 4"
Media Type	Chemical
Frame Material	Beverage Board
Special Size Available	Yes
Max Operating Temperature	120°F (49°C)
Air Filtration Certification	UL 900

Initial Resistance vs. Filter Face Velocity



Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Rated Airflow Capacity (CFM)	Std. Pkg. Qty. per Carton	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.	Carbon Density
C-1 Pleated Carbon Filters (1") – 100 Carbon Density							
182-111-319	12 x 24 x 1	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x $\frac{7}{8}$	1,000	12	8.5	2.0	100
182-111-500	16 x 20 x 1	15 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x $\frac{7}{8}$	1,100	12	9.5	2.2	100
182-111-600	16 x 25 x 1	15 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x $\frac{7}{8}$	1,400	12	11.0	2.8	100
182-111-700	20 x 20 x 1	19 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x $\frac{7}{8}$	1,400	12	11.5	2.8	100
182-111-782	20 x 24 x 1	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x $\frac{7}{8}$	1,650	12	12.0	3.3	100
182-111-800	20 x 25 x 1	19 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x $\frac{7}{8}$	1,750	12	12.5	3.5	100
182-111-863	24 x 24 x 1	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x $\frac{7}{8}$	2,000	12	14.0	4.0	100
C-2 Pleated Carbon Filters (2") – 200 Carbon Density							
182-122-319	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	1,000	6	9.9	2.0	200
182-122-500	16 x 20 x 2	15 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,100	6	11.0	2.2	200
182-122-600	16 x 25 x 2	15 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,400	6	14.5	2.8	200
182-122-700	20 x 20 x 2	19 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,400	6	13.9	2.8	200
182-122-782	20 x 24 x 2	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	1,650	6	15.6	3.3	200
182-122-800	20 x 25 x 2	19 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,750	6	16.3	3.5	200
182-122-863	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	2,000	6	18.5	8.0	200
C-3 Pleated Carbon Filters (4") – 300 Carbon Density							
182-134-319	12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,000	3	7.9	2.0	300
182-134-500	16 x 20 x 4	15 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,100	3	8.5	2.2	300
182-134-600	16 x 25 x 4	15 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,400	3	10.0	2.8	300
182-134-700	20 x 20 x 4	19 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,400	3	12.2	2.8	300
182-134-800	20 x 25 x 4	19 $\frac{3}{8}$ x 24 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,750	3	16.5	3.3	300
182-134-859	24 x 20 x 4	23 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 3 $\frac{3}{8}$	1,650	3	15.5	3.5	300
182-134-863	24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{8}$	2,000	3	19.0	4.0	300
C-3 Panel Fillers (2") – 300 Carbon Density							
182-032-319	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	1,000	6	12.0	2.0	300
182-032-500	16 x 20 x 2	15 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,100	6	13.4	2.2	300
182-032-600	16 x 25 x 2	15 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,400	6	15.7	2.8	300
182-032-700	20 x 20 x 2	19 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,400	6	15.7	0.8	300
182-032-782	20 x 24 x 2	19 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	1,650	6	18.2	3.3	300
182-032-800	20 x 25 x 2	19 $\frac{1}{2}$ x 24 $\frac{1}{2}$ x 1 $\frac{1}{4}$	1,750	6	18.7	3.5	300
182-032-863	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{1}{4}$	2,000	6	21.4	4.0	300

AmAir/C media also available in media pads and ring panels. Pleated filters may also be ordered with Activated Alumina (AmAir/SAAFoxi) or 50/50 blended (AmAir/C+SAAFoxi) media. Special sizes available upon request. Contact your local AAF Flanders representative for more information.

AmAir® is a registered trademark of AAF International in the U.S.

Gas-Phase

FCP Carbon Pleat

Product Overview

- Maximum carbon surface area to optimize efficiency and available capacity
- Media with exceptional adhesion of carbon granules to preclude dusting
- Far superior performance to filters made with carbon slurry media
- Directly replaces existing 2" or 4" filters, adding odor control without requiring new hardware
- Three types of carbon media available to specifically target certain contaminants and odors
- High capacity option available in each type



Specifications

Filter Depth	2", 4"
Media Type	Chemical
Frame Material	Beverage Board
Special Size Available	No
Max Operating Temperature	120°F (49°C)

Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Carton	Media Area (sq. ft.)	Rated Airflow Capacity (CFM)
201 Media – Standard Capacity (200 Gram) Carbon					
FCP201-24242	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	12	20	2000
FCP201-12242	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	6	10	1000
FCP201-24244	24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	3	44	2000
FCP201-12244	12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	3	21	1000
301 Media – High Capacity (300 Gram) Carbon					
FCP301-24242	24 x 24 x 2	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	6	20	2000
FCP301-12242	12 x 24 x 2	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 1 $\frac{3}{4}$	3	10	1000
FCP301-24244	24 x 24 x 4	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	3	44	2000
FCP301-12244	12 x 24 x 4	11 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 3 $\frac{3}{4}$	3	21	1000

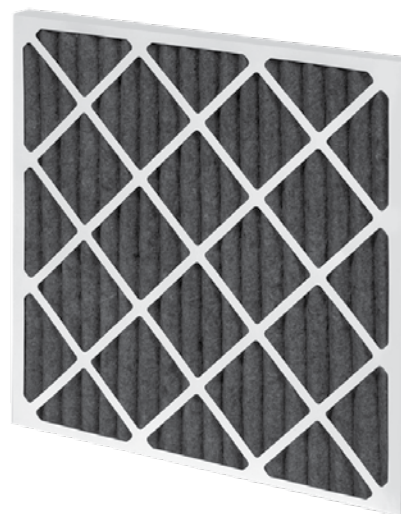
Also available with 202 or 302 media for removal of acid gasses, and 204 or 304 media for removal of alkaline gasses. Additional sizes also available. Contact your local AAF Flanders representative for more information.

Gas-Phase

AmAir®/CE Pleated Carbon Filters

Product Overview

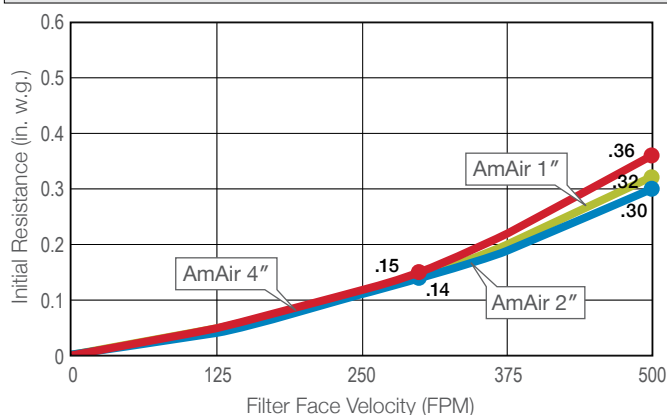
- Economical solution to many odor problems, from light to moderate
- Directly replaces existing 1", 2", or 4" filters, adding odor control without requiring new hardware
- Fast, easy remediation of minor odor problems
- High wet strength beverage board frame
- MERV 6 particulate efficiency



Specifications

Efficiency	MERV 6
Filter Depth	1", 2", 4"
Media Type	Chemical
Frame Material	Beverage Board
Special Size Available	Yes
Max Operating Temperature	120°F (49°C)
Air Filtration Certification	UL 900

Initial Resistance vs. Filter Face Velocity



Filters are rated at 500 FPM filter face velocity. Recommended final resistance for all AmAir/CE filters is 1" w.g.

Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Rated Airflow Capacity(CFM) (Mid/High)	Std. Pkg. Qty. per Carton	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
1"						
411-301-319	12 x 24 x 1	11½ x 23¾ x 7⁄8	750 / 1000	12	7.9	4.0
411-301-500	16 x 20 x 1	15½ x 19½ x 7⁄8	830 / 1110	12	8.8	4.4
411-301-600	16 x 25 x 1	15½ x 24½ x 7⁄8	1050 / 1400	12	11.0	5.6
411-301-700	20 x 20 x 1	19½ x 19½ x 7⁄8	1050 / 1400	12	11.0	5.6
411-301-782	20 x 24 x 1	19¾ x 23¾ x 7⁄8	1250 / 1675	12	13.2	6.7
411-301-800	20 x 25 x 1	19½ x 24½ x 7⁄8	1300 / 1750	12	13.8	6.9
411-301-863	24 x 24 x 1	23¾ x 23¾ x 7⁄8	1500 / 2000	12	15.9	8.0
2"						
411-302-319	12 x 24 x 2	11¾ x 23¾ x 1¼	750 / 1000	12	11.3	4.0
411-302-500	16 x 20 x 2	15½ x 19½ x 1¼	830 / 1110	12	12.6	4.4
411-302-600	16 x 25 x 2	15½ x 24½ x 1¼	1050 / 1400	12	15.7	5.6
411-302-700	20 x 20 x 2	19½ x 19½ x 1¼	1050 / 1400	12	15.7	5.6
411-302-782	20 x 24 x 2	19¾ x 23¾ x 1¼	1250 / 1680	12	18.9	6.7
411-302-800	20 x 25 x 2	19½ x 24½ x 1¼	1300 / 1750	12	19.7	6.9
411-302-863	24 x 24 x 2	23¾ x 23¾ x 1¼	1500 / 2000	12	22.6	20.8
4"						
411-304-319	12 x 24 x 4	11½ x 23½ x 3½	1000 / 1250	6	9.4	2.0
411-304-500	16 x 20 x 4	15½ x 19½ x 3½	1100 / 1400	6	10.4	2.2
411-304-600	16 x 25 x 4	15½ x 24½ x 3½	1400 / 1750	6	13.0	2.8
411-304-700	20 x 20 x 4	19½ x 19½ x 3½	1400 / 1750	6	13.0	2.8
411-304-782	20 x 24 x 4	19½ x 23½ x 3½	1680 / 2100	6	15.6	1.1
411-304-800	20 x 25 x 4	19½ x 24½ x 3½	1750 / 2200	6	16.3	1.2
411-304-863	24 x 24 x 4	23½ x 23½ x 3½	2000 / 2500	6	18.7	4.0

Additional sizes available upon request.

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Gas-Phase

PREpleat® AC

Product Overview

- Combines the low resistance and high Dust Holding Capacity (DHC) of a pleated filter with the odor removing abilities of activated carbon
- Fast, easy remediation of minor odor problems
- 100% add-on of activated carbon by weight (carbon weight equivalent to media weight)
- Directly replaces existing 1", 2", or 4" filters, adding odor control without requiring new hardware



Specifications

Efficiency	MERV 6
Filter Depth	1", 2", or 4"
Media Type	Synthetic w/Activated Carbon
Frame Material	Beverage Board
Special Size Available	Yes
Max Operating Temperature	120°F (49°C)

Product Information

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Cubic Ft.
1"					
81255.011224	12 x 24 x 1	11½ x 23½ x ¾	12	7.0	1.9
81255.011620	16 x 20 x 1	15½ x 19½ x ¾	12	8.0	2.0
81255.011625	16 x 25 x 1	15½ x 24½ x ¾	12	9.5	2.4
81255.012020	20 x 20 x 1	19½ x 19½ x ¾	12	9.5	2.4
81255.012024	20 x 24 x 1	19½ x 23½ x ¾	12	11.0	3.0
81255.012025	20 x 25 x 1	19½ x 24½ x ¾	12	11.0	3.0
81255.012424	24 x 24 x 1	23¾ x 23¾ x ¾	12	12.3	3.5
2"					
81255.021224	12 x 24 x 2	11¾ x 23¾ x 1¼	12	11.5	3.9
81255.021620	16 x 20 x 2	15½ x 19½ x 1¼	12	12.2	4.4
81255.021625	16 x 25 x 2	15½ x 24½ x 1¼	12	14.4	5.6
81255.022020	20 x 20 x 2	17½ x 24½ x 1¼	12	14.3	5.6
81255.022024	20 x 24 x 2	19½ x 19½ x 1¼	12	16.5	6.9
81255.022025	20 x 25 x 2	19¾ x 23¾ x 1¼	12	15.8	6.9
81255.022424	24 x 24 x 2	19½ x 24½ x 1¼	12	19.5	8.7
4"					
81255.041224	12 x 24 x 4	11¾ x 23¾ x 3¾	6	12.0	3.9
81255.041620	16 x 20 x 4	15½ x 19½ x 3¾	6	11.5	4.4
81255.041625	16 x 25 x 4	15½ x 24½ x 3¾	6	13.6	5.6
81255.042020	20 x 20 x 4	19½ x 19½ x 3¾	6	12.8	5.6
81255.042024	20 x 24 x 4	19¾ x 23¾ x 3¾	6	16.0	6.9
81255.042025	20 x 25 x 4	19½ x 24½ x 3¾	6	15.0	6.9
81255.042424	24 x 24 x 4	23¾ x 23¾ x 3¾	6	18.4	8.7

Additional sizes available upon request.

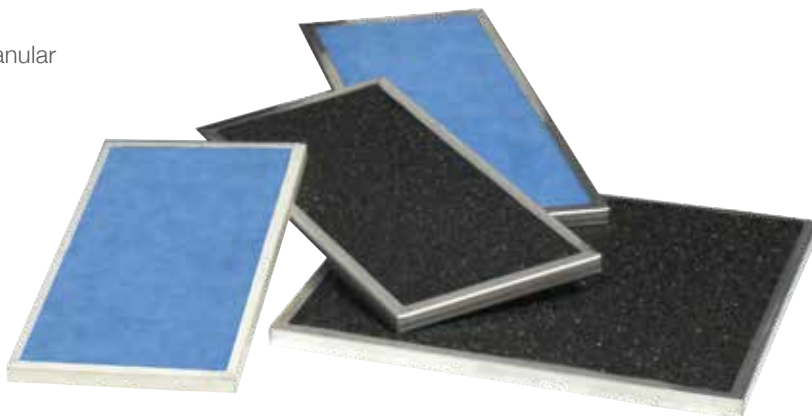
PREpleat® is a registered trademark of Flanders Corporation in the U.S.

Gas-Phase

AmerSorb® BP Carbon Bonded Panel Filters

Product Overview

- An economical alternative to refillable trays used in granular media housings
- Easier to handle, reduces maintenance costs versus refillable trays
- Direct replacement for 1" panels used in most manufacturers' side and front access housings
- No carbon dusting – no settling
- No enclosure required, allowing for more carbon by weight than comparable loose fill panel filter
- High first-pass removal efficiency and low resistance to airflow
- 60% CTC activity carbon



Specifications

Filter Depth	7/8"–2" (in 1/8" increments)
Media Type	Chemical (Bonded)
Frame Material	Galvannealed Steel or Aluminized Steel
Special Size Available	Yes

Product Information

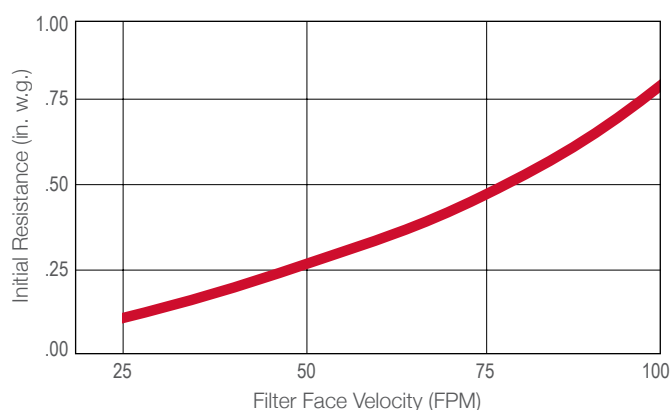
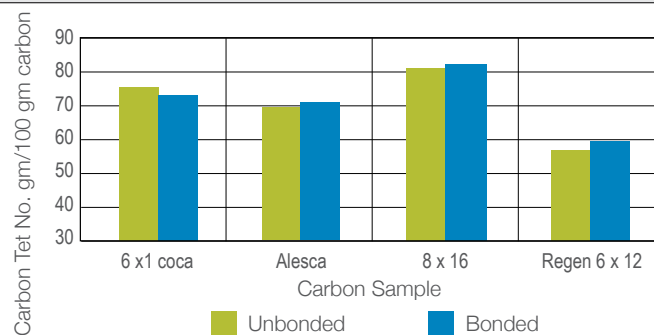
Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)
186-000-11D23DA	12 x 24 x 1	11 3/8 x 23 3/8 x 7/8
186-000-23D23DA	24 x 24 x 1	23 3/8 x 23 3/8 x 7/8
186-000-11D23DH	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4
186-000-23D23DH	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4

Above filters include galvannealed steel frame, no gasketing, and bonded carbon media derived from virgin coconut shell. Aluminized steel frames, gasketing, and additional media options, along with a wide range of sizes, also available upon request. Contact your local AAF Flanders representative for details.

Static Adsorption Capacity

Carbon Tetrachloride (CCl₄) adsorption capacity is virtually unaffected by bonding. Several carbon samples in the 60-80% CCl₄ activity range are shown in the graph at right. As indicated, there is little impact on the activated carbon by the bonding process.

Initial Resistance vs. Filter Face Velocity

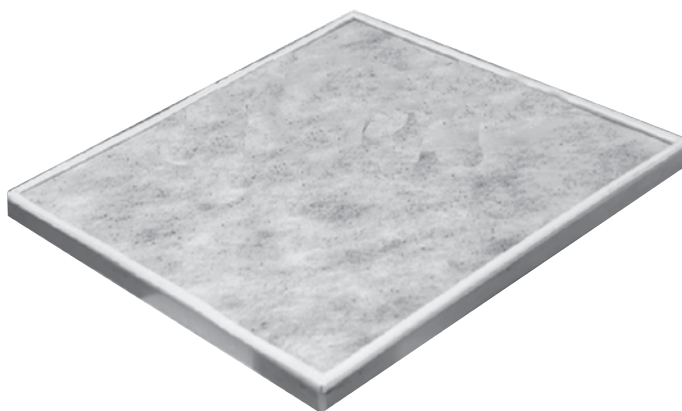
Static Adsorption, CCl₄ Bonded vs. Unbonded Carbon

Gas-Phase

High Mass Zero Dust (HMZD)

Product Overview

- Better performance than loose filled trays due to increased carbon density and elimination of bypass
- High Mass refers to a high density of activated carbon installed
- Zero Dust means that the filters will not release carbon dust into the air stream
- Fabricated from 100% virgin coconut shell activated carbon, with a minimum 60% CTC activity
- Six media types available to ensure targeted contaminant removal for every application
- Easy installation and disposal, with no need to refill trays
- Can be used in V-bank housings for minimal pressure drop



Specifications

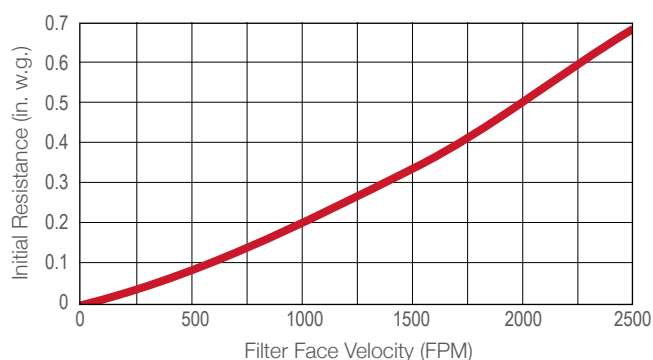
Filter Depth	7/16", 5/8", 3/4", 1"
Media Type	Chemical (Bonded)
Frame Material	Galvanized or Stainless Steel
Special Size Available	Yes
Max Operating Temperature	120° (49°C)

HMZD Carbon Types and Applications*

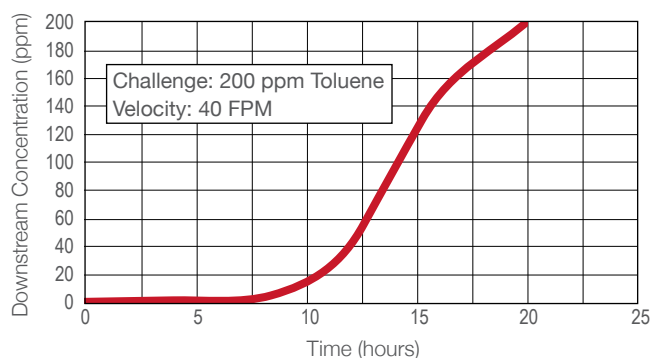
- 201 – Impregnate is virgin coconut shell carbon for general removal of Volatile Organic Chemicals (VOCs)
- 202 – Caustic impregnated for removal of acid gases
- 204 – Acid impregnated for removal of alkaline gases
- 205 – Chromate impregnated for removal of amines
- 209 – Universal impregnate for removal of acid and alkaline gases
- 225 – Proprietary blend for airports and helipads

***Carbon Selection** – In general, contaminants with a boiling point greater than 212°F (160°C) can be effectively removed with carbon type 201. Contaminants with a boiling point below 212°F (160°C) require other available types of impregnated carbon, such as type 202, 204, 205, or 209.

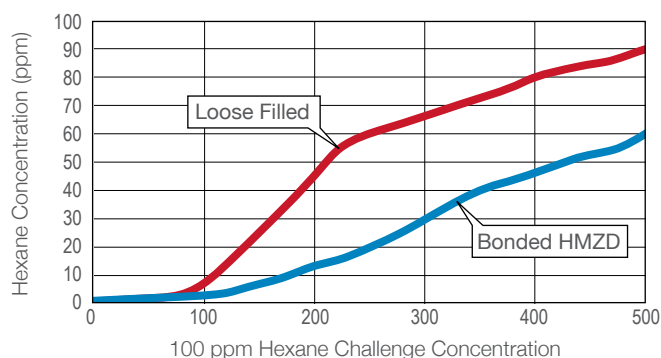
Initial Resistance vs. Filter Face Velocity



TS 201 Toluene Time to Breakthrough



Service Life Comparison



The breakthrough test was based on continuous 100 ppm Hexane challenge concentration. Testing conducted at an independent lab on virgin coconut shell carbon.

Gas-Phase

HEGA Filter Type IV – Stainless Steel

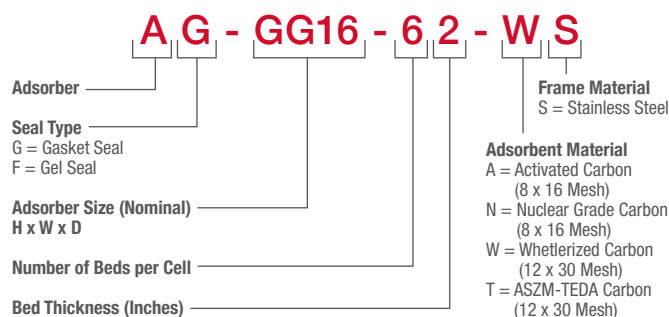
Product Overview

- 99.9% mechanical efficiency when tested in accordance with IES-RP-CC-008-84
- Common application is for high efficiency removal of gaseous contaminants from nuclear, biological, and/or chemical process exhaust air
- V-bank configuration allows high airflow at low pressure drop
- Designed, manufactured, and tested under a Quality Assurance program meeting the requirements of ASME NQA-1
- Test reports accompany the filter (copies available on request)
- Activated impregnated carbon media meets requirements of Article FF-5000 or ASME/ANSI AG-1-1997



Specifications

Mechanical Efficiency	99.9%
Bed Depth	1", 1 3/8", 2"
Frame Style	Gel Seal, Gasket Seal
Frame Material	Stainless Steel
Max. Operating Temperature	200°F (93°C)



Product Information

Part Number	Nominal Size Inches (H x W x D) w/Gel Seal Channel	Rated Airflow Capacity (CFM)	Approx. ΔP (in. w.g.)	Res. Time (sec.)	No. of Beds	Bed Depth (Inches)	Max. Temp.	Approx. Carbon Net Wt. (Lbs.)	Approx. Shipping Wt. (Lbs.)
Gel Seal									
AF-GC12-101-AS	24 x 12 x 12 1/4	500	0.90	0.083	10	1	200°F	29	92
AF-GC12-101-NS	24 x 12 x 12 1/4	500	0.90	0.083	10	1	200°F	32	95
AF-GC12-101-WS	24 x 12 x 12 1/4	500	2.00	0.083	10	1	200°F	35	98
AF-GG12-101-AS	24 x 24 x 12 1/4	1000	0.90	0.083	10	1	200°F	58	153
AF-GG12-101-NS	24 x 24 x 12 1/4	1000	0.90	0.083	10	1	200°F	64	159
AF-GG12-101-WS	24 x 24 x 12 1/4	1000	2.00	0.083	10	1	200°F	70	165
AF-GG16-81%-AS	24 x 24 x 16 3/4	1000	0.85	0.125	8	1 3/8	200°F	75	210
AF-GG16-81%-NS	24 x 24 x 16 3/4	1000	0.85	0.125	8	1 3/8	200°F	80	215
AF-GG16-81%-WS	24 x 24 x 16 3/4	1000	2.10	0.125	8	1 3/8	200°F	90	225
AF-GG12-62-AS	24 x 24 x 12 1/4	700	1.75	0.125	6	2	200°F	59	162
AF-GG12-62-NS	24 x 24 x 12 1/4	700	1.75	0.125	6	2	200°F	62	165
AF-GG12-62-WS	24 x 24 x 12 1/4	700	3.90	0.125	6	2	200°F	70	173
Gasket Seal									
AG-GG12-101-AS	24 x 24 x 11 1/2	1000	0.90	0.083	10	1	200°F	58	148
AG-GG12-101-NS	24 x 24 x 11 1/2	1000	0.90	0.083	10	1	200°F	64	154
AG-GG12-101-WS	24 x 24 x 11 1/2	1000	2.00	0.083	10	1	200°F	70	160
AG-GG16-81%-AS	24 x 24 x 16	1000	0.85	0.125	8	1 3/8	200°F	75	205
AG-GG16-81%-NS	24 x 24 x 16	1000	0.85	0.125	8	1 3/8	200°F	80	210
AG-GG16-81%-WS	24 x 24 x 16	1000	2.10	0.125	8	1 3/8	200°F	90	220
AG-GG18-62-AS	24 x 24 x 18	1250	1.75	0.125	6	2	200°F	90	220
AG-GG18-62-NS	24 x 24 x 18	1250	1.75	0.125	6	2	200°F	96	226
AG-GG18-62-WS	24 x 24 x 18	1250	4.10	0.125	6	2	200°F	105	235

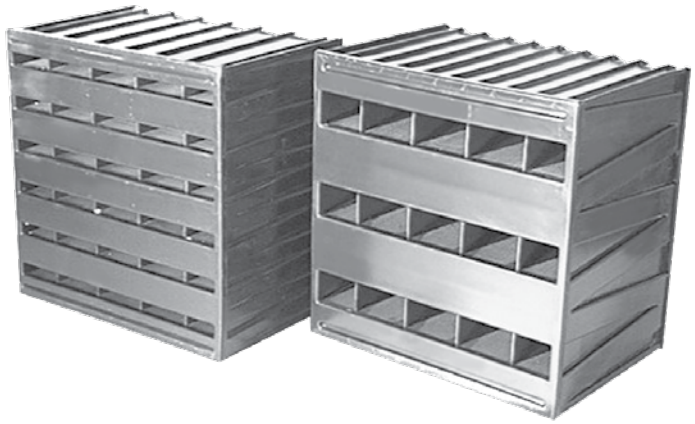
Not all model number combinations available. Small size adsorbers also available. Contact your local AAF Flanders representative for details.

Gas-Phase

HEGA Filter Type IV – Cinersorb

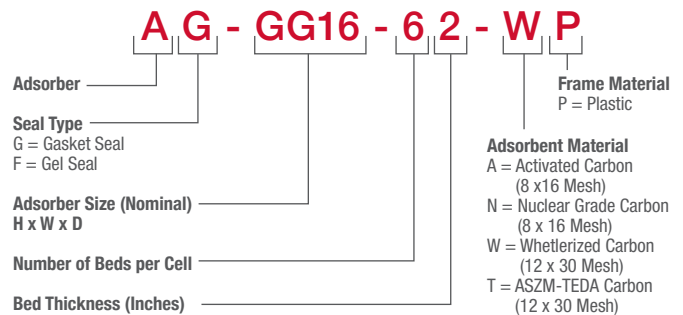
Product Overview

- Polystyrene frame allows for disposal by incineration
- 99.9% mechanical efficiency when tested in accordance with IES-RP-CC-008-84
- Weighs 40-50% less than metal framed adsorbers
- Common application is for high efficiency removal of gaseous contaminants from nuclear, biological, and/or chemical process exhaust air
- Designed, manufactured, and tested under a Quality Assurance program meeting the requirements of ASME NQA-1
- Test reports accompany the filter (copies available on request)
- Activated impregnated carbon media meets requirements of Article FF-5000 or ASME/ANSI AG-1-1997



Specifications

Mechanical Efficiency	99.9%
Bed Depth	1", 1 3/8", 2"
Frame Style	Gel Seal, Gasket Seal
Frame Material	Polystyrene (HIPS)
Max. Operating Temperature	120°F (49°C)



Product Information

Part Number	Nominal Size Inches (H x W x D) w/Gel Seal Channel	Rated Airflow Capacity (CFM)	Approx. ΔP (in. w.g.)	Res. Time (sec.)	No. of Beds	Bed Depth (Inches)	Max. Temp.	Approx. Carbon Net Wt. (Lbs.)	Approx. Shipping Wt. (Lbs.)
Gel Seal									
AF-GC12-101-AP	24 x 12 x 12 1/4	500	0.90	0.083	10	1	120°F	23	92
AF-GC12-101-NP	24 x 12 x 12 1/4	500	0.90	0.083	10	1	120°F	25	95
AF-GC12-101-WP	24 x 12 x 12 1/4	500	2.00	0.083	10	1	120°F	26	98
AF-GG12-101-AP	24 x 24 x 12 1/4	1000	0.90	0.083	10	1	120°F	43	153
AF-GG12-101-NP	24 x 24 x 12 1/4	1000	0.90	0.083	10	1	120°F	49	159
AF-GG12-101-WP	24 x 24 x 12 1/4	1000	2.00	0.083	10	1	120°F	52	165
AF-GG16-81%-AP	24 x 24 x 16 3/4	1000	0.85	0.125	8	1 3/8	120°F	74	113
AF-GG16-81%-NP	24 x 24 x 16 3/4	1000	0.85	0.125	8	1 3/8	120°F	79	118
AF-GG16-81%-WP	24 x 24 x 16 3/4	1000	2.10	0.125	8	1 3/8	120°F	88	127
AF-GG16-62-AP	24 x 24 x 16 3/4	1000	1.75	0.125	6	2	120°F	80	115
AF-GG16-62-NP	24 x 24 x 16 3/4	1000	1.75	0.125	6	2	120°F	84	119
AF-GG16-62-WP	24 x 24 x 16 3/4	1000	3.90	0.125	6	2	120°F	96	131
Gasket Seal									
AG-GC12-101-AP	24 x 12 x 11 1/2	500	0.90	0.083	10	1	120°F	23	42
AG-GC12-101-NP	24 x 12 x 11 1/2	500	0.90	0.083	10	1	120°F	25	44
AG-GC12-101-WP	24 x 12 x 11 1/2	500	2.00	0.083	10	1	120°F	26	45
AG-GG16-81%-AP	24 x 24 x 16	1000	0.85	0.125	8	1 3/8	120°F	74	113
AG-GG16-81%-NP	24 x 24 x 16	1000	0.85	0.125	8	1 3/8	120°F	79	118
AG-GG16-81%-WP	24 x 24 x 16	1000	2.10	0.125	8	1 3/8	120°F	88	127
AG-GG16-62-AP	24 x 24 x 16	1000	1.75	0.125	6	2	120°F	80	115
AG-GG16-62-NP	24 x 24 x 16	1000	1.75	0.125	6	2	120°F	84	119
AG-GG16-62-WP	24 x 24 x 16	1000	3.90	0.125	6	2	120°F	96	131

Not all model number combinations available. Contact your local AAF Flanders representative for details.

Gas-Phase

HEGA Filter Type II

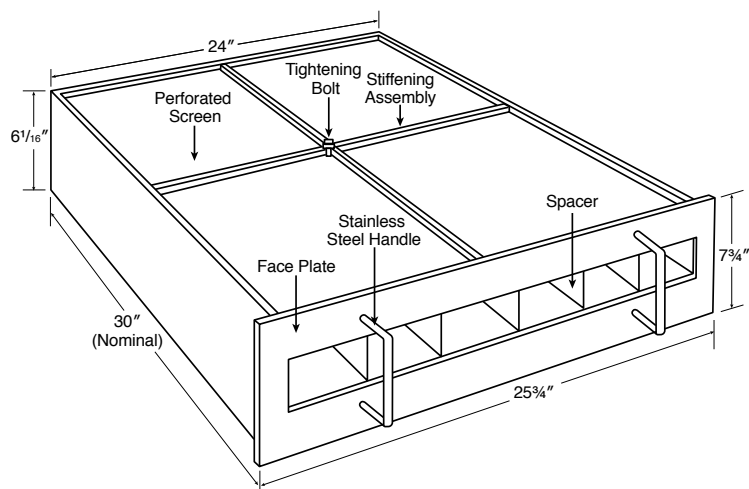
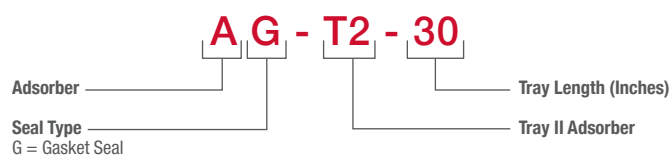
Product Overview

- 99.9% mechanical efficiency when tested in accordance with IES-RP-CC-008-84
- Common application is for high efficiency removal of gaseous contaminants from nuclear, biological, and/or chemical process exhaust air
- Designed, manufactured, and tested under a Quality Assurance program meeting the requirements of ASME NQA-1
- Test reports accompany the filter (copies available on request)
- Designed to be modular with a 1000 CFM HEPA filter in both flow rate and size by using multiple cells
- Activated impregnated carbon media meets requirements of Article FF-5000 or ASME/ANSI AG-1-1997



Specifications

Rated Flow	333 CFM
Velocity	40 FPM
Mechanical Efficiency	99.9%
Bed Depth	2"
Pressure Drop	1.10"
Residence Time	0.25 seconds
Approx. Filled Weight	96 lbs.
Max. Operating Temperature	200°F (93°C)
Frame Material	Stainless Steel



Standard options include: various cell lengths and custom sizing; different frame materials, different chemical media/adsorbents, special faceplate/labeling, and more.

Contact your local AAF Flanders representative for details.

Gas-Phase

SAAF™ Front Access Housings (FAH)

Product Overview

- Combines particulate filters and gas-phase cassettes to create a total clean air solution
- Stand-alone system can be easily incorporated into new and existing air handling units
- Patented SAAF™ Seal sealing system design and manufacturing process patents covered under US 7,588,629 B2



Product Information

Part Number	Nominal Size Inches (W x H x D)	Model Number	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 12%)	Cubic Ft.
SAAF™ FAH – Medium Duty (for use with MD Cassettes only)					
3026705-001	24 x 24 x 21½	FAH 202-2P-MD	1	70.0	8.0
3028404-001	24 x 12 x 21½	FAH 201-2P-MD	1	50.0	4.0
3028172-001	12 x 24 x 21½	FAH 102-2P-MD	1	50.0	4.0
SAAF™ FAH – Heavy Duty (for use with HD Cassettes only)					
3028438-001	24 x 24 x 15¾	FAH 202-2P-HD	1	70.0	6.0
3028487-001	24 x 12 x 15¾	FAH 201-2P-HD	1	50.0	3.0
3028412-001	12 x 24 x 15¾	FAH 102-2P-HD	1	50.0	3.0
SAAF™ FAH – Cleanroom Grade (for use with CG Cassettes only)					
3028552-001	24 x 24 x 15¾	FAH 202-2P-CG	1	70.0	6.0
3028503-001	24 x 12 x 15¾	FAH 201-2P-CG	1	50.0	3.0

Gas-Phase

SAAF™ Air Purification Systems: Pressurization and Recirculation Unit (PRU) and Recirculation Unit (RU)

Product Overview

- Pressurize, recirculate, and clean the air in a controlled environment
- Easy installation, operation, and maintenance in a self-contained system
- Combines gas-phase and high efficiency air filters to create total clean air solutions
- Patented SAAF™ Seal sealing system design and manufacturing process patents covered under US 7,588,629 B2
- Designed with internal variable speed fan (electronically commutated)
- Customizable media combinations to meet your specific requirements
- Whisper-quiet operation

**Product Information**

Description	Product & Size					
	RU500V	RU1000V	RU2000V	RU500H	RU1000H	RU2000H
SAAF™ Air Purification Systems: Pressurization and Recirculation Unit (PRU)						
Fan style	ebm	ebm	ebm	ebm	ebm	ebm
Height (inches)	78½	85	85	29	29	29
Width (inches)	31	31	60	26	26	50
Depth (inches)	26	26	26	89	93	93
SAAF™ Air Purification Systems: Recirculation Unit (RU)						
Fan style	ebm	ebm	ebm	ebm	ebm	ebm
Height (inches)	73¾	80	80	29	29	29
Width (inches)	31	31	60	26	26	50
Depth (inches)	26	26	26	77	77	77

Gas-Phase

SAAF™ PORTA-Scrubber

Product Overview

- Units available as Powered and Non-Powered
- Ideal for a wide variety of applications
- Suitable for outdoor installation
- Compact design is space-efficient while reducing capital and installation costs
- Quick, easy installation and operation in a self-contained system—virtually maintenance free
- Corrosion-resistant, cast aluminum fan
- Designed to remove gaseous and particulate contaminants from the airstream in the most demanding applications
- Ultra-high capacity SAAFCarb™ MA.HT chemical media provides complete contaminant removal and longer service life than conventional scrubber media currently available



Product Information

Style	Non-Powered		Powered		
Model Number & Nominal Airflow (SCFM)	200NP	500NP	200	500	1000
Dimensions Nominal (in.)	49H x 24D	65H x 39D	51H x 24D	65H x 39D	83H x 58D
Inlet Diameter (in.)	4	6	4	6	10
Part Number	3040821-001E	3040839-001	3052941-001	3040789-001	3064441-001
Particulate Filters Required (PolyKlean™ Media Pads)	24" Round PN 358-012-024	37" Round PN 358-012-037	24" Round PN 358-012-024	37" Round PN 358-012-037	59" Round PN 358-012-058
Gas-Phase Chemical Media Options (Sold in 1 ft³ boxes)	Media Volume Required				
SAAFOxidant™ (395-914-100)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³
SAAFCarb™ (395-914-200)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³
SAAFCarb™ MA (395-914-300)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³
SAAFCarb™ MB (395-914-400)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³
SAAFCarb™ MA.HT (395-914-800)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³
SAAFBlend™ GP (395-914-001)	5 ft³	17 ft³	5 ft³	17 ft³	39 ft³

Additional Options
Motor Rain Cover (123A-3061942)
115V, 10 foot Power Cord (5246707)

Gas-Phase

SAAF™ Side Access Housings (SAH)

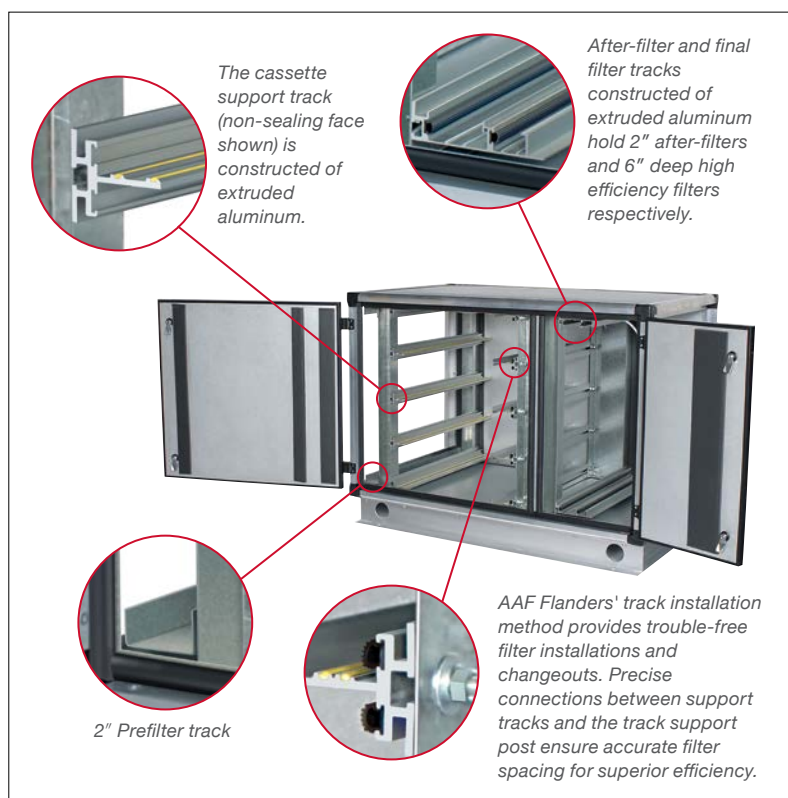
Product Overview

- Combines particulate filters, gas-phase cassettes, and high efficiency filters to create a total clean air solution (removing both airborne particulate and gaseous contaminants)
- Patented SAAF™ Seal sealing system design and manufacturing process patents covered under US 7,588,629 B2
- Wide range of sizes and combinations of filter banks
- Available with internal fan
- Insulated double-walled construction
- Allows for easy installation, operation, and maintenance in a totally self-contained system



Product Information

Model	Nominal Dimensions		Cassette Selection		
	H Ft	W Ft	SAAF HD Airflow @ 250 FPM Velocity	SAAF MD Airflow @ 500 FPM Velocity	SAAF CG Airflow @ 500 FPM Velocity
102	1	2	500	1,000	1,000
104	1	4	1,000	2,000	2,000
202	2	2	1,000	2,000	2,000
204	2	4	2,000	4,000	4,000
206	2	6	3,000	6,000	6,000
302	3	2	1,500	3,000	3,000
304	3	4	3,000	6,000	6,000
306	3	6	4,500	9,000	9,000
402	4	2	2,000	4,000	4,000
404	4	4	4,000	8,000	8,000
406	4	6	6,000	12,000	12,000
408	4	8	8,000	16,000	16,000
410	4	10	10,000	20,000	20,000
504	5	4	5,000	10,000	10,000
506	5	6	7,500	15,000	15,000
508	5	8	10,000	20,000	20,000
510	5	10	12,500	25,000	25,000
604	6	4	6,000	12,000	12,000
606	6	6	9,000	18,000	18,000
608	6	8	12,000	24,000	24,000
610	6	10	15,000	30,000	30,000



Gas-Phase

SAAF™ Machine Intake Filter (MIF)

Product Overview

- Specifically designed for machine air intakes within hostile air quality environments, such as industrial manufacturing facilities, mining, smelting, petrochemical, and pulp and paper processing
- Combines decades of AAF Flanders air filtration expertise in gas turbine and complex machine air intakes
- Incorporates AAF Flanders low pressure drop, enhanced performance air filtration technologies for high efficiency, high capacity, maintenance-effective solutions
- Patented SAAF™ Seal sealing system design and manufacturing process patents covered under US 7,588,629 B2



Product Information

Inches (W x H)	Depth (Inches)
6 x 4	12

Rain louver/birdscreen at the inlet is available as an option for outdoor installation.



Weather cover with drip-edge is available as an option for outdoor installation.



2" Prefilter track

Metal mesh screen and cone protection



Heavy-duty channel base



The cassette support track (non-sealing face shown above) is constructed of extruded aluminum.



The cassette support track (sealing face shown) is constructed of extruded aluminum with the cassette locating bar, gasket for sealing.

AAF Flanders' track installation method provides trouble-free filter installations and changeouts. Precise connections between support tracks and the track support post ensure accurate filter spacing for superior efficiency.



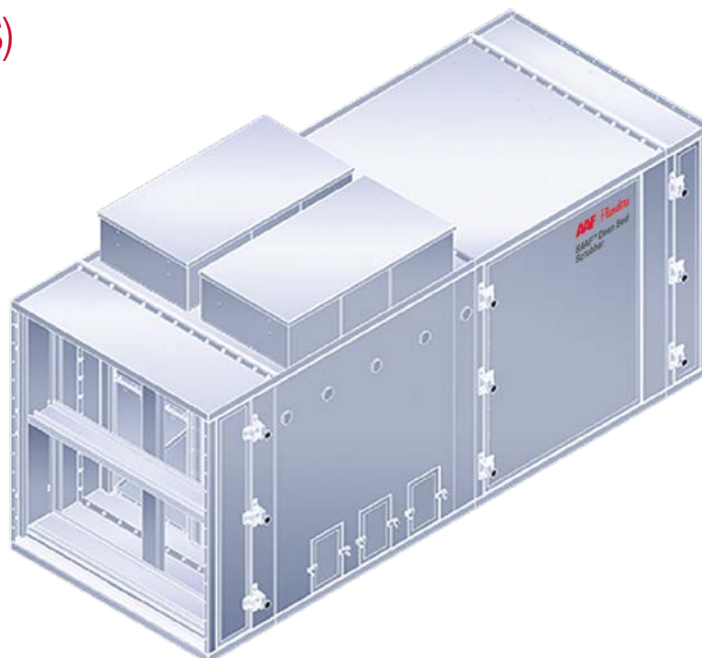
Outlet flange

Gas-Phase

SAAF™ Deep Bed Scrubber (DBS)

Product Overview

- Combines AAF Flanders' particulate and gas-phase technologies for an AAF Flanders Total Filtration Solution
- Provides highest chemical media-to-air ratio for heavily polluted environments that require air quality guarantees and optimal cost of ownership
- Available with internal fan: wide range of sizes and combination of AAF Flanders Filtration technologies
- Offers the best flexibility and control to adapt to changes in the environment



Product Information

DBS	Velocity		Airflow	
Housing Size	Ft/Min	M/Sec	Ft³/Min	M³/H
202	100	0.5	400	680
302	100	0.5	600	1,020
402	100	0.5	800	1,360
403	100	0.5	1,200	2,040
404	100	0.5	1,600	2,720
406	100	0.5	2,400	4,080
408	100	0.5	3,200	5,440
504	100	0.5	2,000	3,400
506	100	0.5	3,000	5,100
508	100	0.5	4,000	6,800
604	100	0.5	2,400	4,080
606	100	0.5	3,600	6,120
608	100	0.5	4,800	8,160
708	100	0.5	5,600	9,520
808	100	0.5	6,400	10,870
810	100	0.5	8,000	13,600

Gas-Phase**SAAF™ Reactivity Monitoring Coupons (RMCs)****Product Overview**

- Investigative tool to gauge gas-phase filter performance
- Ideal for site assessment reports related to air reactivity
- Qualifies the presence or absences of gas types (sulfur compounds, chlorine compounds, compounds that form oxide films, and unknowns)
- Quantifies reactivity of environment per ISA-71.04-2013 and related coupon standards
- Available in light-duty and heavy-duty versions to suit the application contamination severity

**Product Information**

Part Number	Description	Std. Pkg. Qty. per Box	Shipping Wt. Lbs. per Box (± 7%)	Cubic Ft.
392-801-000	Glass Coupon – Reactivity Monitor	1	1.0	0.0
392-801-001	Metal Coupon – Reactivity Monitor	1	1.0	0.0

Part Number	Description	Shipping Wt. (lbs.)	Cubic Ft.
392-801-000	Glass Coupon – Reactivity Monitor	1	1.0
392-801-001	Metal Coupon – Reactivity Monitor	1	1.0
1 oz. SAAF Media Samples			
395-920-100	SAAFoxidant™	1	0.1
395-920-200	SAAFcarb™	1	0.1
395-920-300	SAAFcarb™ MA	1	0.1
395-920-400	SAAFcarb™ MB	1	0.1
395-920-800	SAAFcarb™ MA.HT	1	0.1
395-920-001	SAAFBlend™ GP (50/50 Mix)	1	0.1
395-920-002	SAAFBlend™ WS (33/33/33 Mix)	1	0.1

NOTE: All media samples are placed in glass bottles with screw top lids.

5 lb. SAAF Media Samples			
395-921-100	SAAFoxidant™	5	0.5
395-921-200	SAAFcarb™	5	0.5
395-921-300	SAAFcarb™ MA	5	0.5
395-921-400	SAAFcarb™ MB	5	0.5
395-921-800	SAAFcarb™ MA.HT	5	0.5
395-921-001	SAAFBlend™ GP (50/50 Mix)	5	0.5

NOTE: All media samples are placed in glass bottles with screw top lids.

Power & Industrial

Power & Industrial Division

AAF clean air products and systems offer the most comprehensive clean air solutions available in the world. With global manufacturing capabilities, each AAF facility is specifically designed to manufacture and test the most complex clean air solutions. However, you may not be aware that since 1932, AAF has offered solutions to clean exhaust air from industrial applications, nor that filtration systems for nuclear power, diesel engines, and gas turbines have been available from AAF for over 50 years.

Environmental Products

Dry Dust Collectors

Our Power & Industrial division offers a complete range of high-efficiency pleated media collectors. Complementing these collectors are a range of specialized filtration elements focused on higher efficiency, lower pressure, and longer life. Utilizing high-efficiency reverse cleaning technology, the AAF International® FabriPulse®, OptiFlo® and ArrestAll® ranges ensure optimum cleaning and utilization of the filtration media for lower emissions and longer life.

PulsePak® Prime

The PulsePak Prime combines true downflow of the incoming dust-laden air with the unobstructed “free-fall” of the dislodged dust to the hopper. As a result, the PulsePak Prime operates with less internal turbulence and, therefore, a lower differential pressure than competitive designs. The unique filter cartridge arrangement provides a more compact design, which allows for maximum flexibility while meeting space requirements. Large hinged access doors allow for minimized inspection and cartridge change-out time, since multiple filter cartridges can be externally accessed through one door. By using a venturi design, the PulsePak Prime cleans more efficiently. The PulsePak Prime is equipped with REDClean® Media, allowing it to offer best-in-class filtration. Many different media options are also available.



PulsePak® Prime



OptiFlo RC

OptiFlo RC

The OptiFlo RC cartridge collector is a completely modular design that allows an unlimited range of sizes. Modules can be interconnected to accommodate the largest air cleaning task. The compact modules conserve valuable space and have the lowest flange-to-flange differential pressure, allowing up to 10% greater airflow with lower fan power requirements than competitive models.

The internal construction of the OptiFlo RC prevents direct impingement of entering particulate on the cartridges, minimizing abrasion and dust build-up. The top entry, “down flow” design eliminates “can velocity” concerns. A wide selection of cartridge types, options, and accessories enable the collector to be tailored to suit specific application requirements.

Wet Dust Collectors

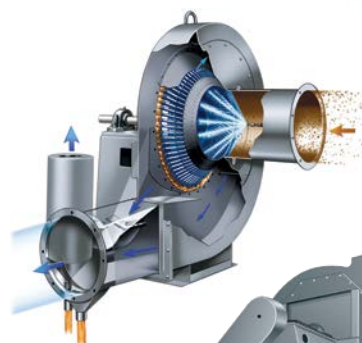
AAF International pioneered the development of wet collectors and devices designed to remove particulate matter from the air by passing through a liquid medium. The AAF International RotoClone® and Kinpactor ranges allow dust and fume to be collected in hot, humid, and sticky environments.

RotoClone W

The RotoClone W is designed to combine the scrubbing effect of water with the principle of dynamic precipitation. This highly-effective wet-type collector discharges collected materials as a slurry. The RotoClone W collector is effective in applications such as chemical processing, mining, coal processing, food, and pharmaceutical dust capture.

RotoClone N

The RotoClone N cleans the air by the combined action of centrifugal force and a thorough intermixing of water and dust-laden air. It has no moving parts, pumps, or other auxiliary equipment, requires minimum space, and is easy to install.



RotoClone W



RotoClone N

Power & Industrial**Power & Industrial Division****Gas Turbine Products**

With an extensive gas turbine filter range, innovative products that push the boundaries of filtration technology, and reliable and trusted service, AAF International is the supplier of choice for many of the world's leading operators and OEMs in the gas turbine sector.

Moisture Removal and Pre-filtration

Final filters can only achieve their full potential with the protection of well-designed moisture removal stages, including pre-filtration. This removal of moisture and larger particles from airstreams allows the final filters to trap smaller submicron particles more effectively, providing maximum protection to gas turbines. AAF's AmerShield is the class-leading pre-filter designed for the rigorous environments of gas turbine inlet applications. AmerShield, with integrated Impress® technology, offers an unmatched combination of advanced filtration technology and coalescing performance. Thermal embossed-pleat technology and intermittent beads of adhesive create the ideal surface geometry for smooth, even airflow. Optimized pleat spacing allows even loading throughout the depth of the filter media, introduces minimal resistance to airflow, and maximizes filter life.

Static Filters

AAF maintains a complete range of static filters for applications in which pulse cleaning is not required or possible. This line includes V-Bank filters, box filters, and static cartridges. The static final filter plays a pivotal role in ensuring the safe operation of the gas turbine. AAF's latest product, the HydroGT V450+, boasts a greater filter depth and quantity of filter media, providing the ultimate protection for your gas turbine, which ensures reliable performance and power output in the most demanding environments. The HydroGT high efficiency filter range delivers class-leading protection for your gas turbine, helping to extend component life and reduce maintenance costs. In addition, EPA efficiency grades significantly reduce compressor fouling and the need for offline water washing, resulting in increased machine availability and reduced operational costs.

Pulse Filters

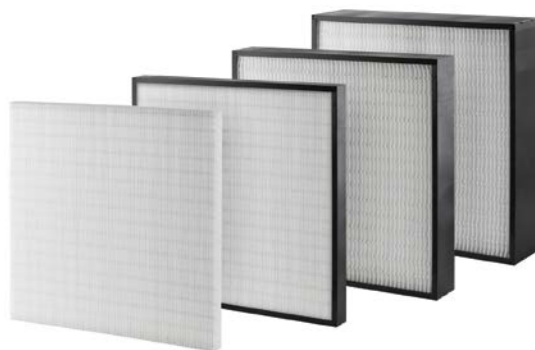
Pulse filters typically take the form of cartridges or canisters and panel pak filters in environments in which dust represents a significant challenge. Pulse cleaning removes larger dust particles from the outer layer of the filter media, extending the life of the filter that protects the gas turbine. The HydroPak is a direct replacement to existing ASC filter houses. The ASC's Integral Secondary Air System achieves optimum performance over a maximized lifetime. The HydroPak delivers an outstanding combination of filtration efficiency, low cost of operation, and lengthy filter life. The design of the HydroPak eliminates compressor fouling and frequent water washing, resulting in improved power output and engine reliability.

Nuclear Products

AAF International, a world leader in clean air solutions, was there with the right products when the nuclear industry first began. Today we continue to help you meet the ongoing demand for qualified and dependable solutions that support operating license renewals, power uprates, and new construction.

- Bag In/Bag Out
- Side Access TSC
- Replacement Filters
- Air Handling Units
- Walk-In Housings
- Cooling Coils
- Fans/Dampers
- Commercial Grade Dedication

For more information on **Power & Industrial products** from AAF International, visit our site at www.aafintl.com/en/power-and-industrial or call 1-800-477-1214.

*AmerShield**HydroGT V450+**HydroPak**Pulse filters
cartridges or
canisters and
panel pak filters**Nuclear Products*

Daikin

Daikin Products

AAF Flanders is proud to be part of the Daikin Group, the global leader in air comfort. Our parent company Daikin offers solutions across three primary areas – HVAC equipment, chemicals and coolants, and air filtration. Our sister companies in the Daikin Group include U.S.-based HVAC manufacturers Goodman, Amana, and Daikin Applied, all of whom help power Daikin to the forefront of the air conditioning industry in the U.S. and worldwide.

The company recently celebrated its 90th anniversary and continues to lead the way in the development of clean air and comfort solutions, thanks in large part to its Texas Technology Park in Houston and the Technology and Innovation Center in Osaka, Japan.

Innovative products developed by Daikin include:

- Rooftop Units
- Split Systems
- Air Handlers
- Variable Refrigerant Volume (VRV) Systems
- Smart Thermostats

Rooftop Units

Daikin's rooftop product line combines the availability of units tailored to a multitude of applications with industry-leading efficiency. From residences to every size of commercial building, Daikin offers easily installed systems that minimize operating costs.

Split Systems

Every Daikin commercial air conditioner features high-performance, high-efficiency compressors that operate in tandem with a high-efficiency coil design. This innovative system offers stellar levels of reliability, durability, and efficiency.

Air Handlers

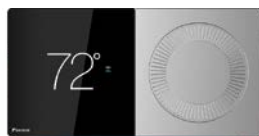
Air handlers are the indoor portion of your heating and cooling systems. These units help circulate temperature-regulated air throughout your building quietly and efficiently, making them ideal for use in light commercial applications.

Variable Refrigerant Volume (VRV) Systems

A VRV system is a modular, commercially applied air conditioning and heating system that distributes refrigerant as opposed to water. Daikin's industry-leading variable speed inverter compressors ensure comfort and energy efficiency by providing only the necessary heating or cooling from the outdoor unit to each individual indoor unit.

Smart Thermostats

Daikin One+ is the first intelligent home air controller from one of the world's leading heating, ventilating, and air conditioning manufacturers. It serves as the cloud-connected hub of a sophisticated, integrated solution for management of temperature, humidity, and air quality.



Texas Technology Park in Houston.



Technology and Innovation Center in Osaka, Japan.



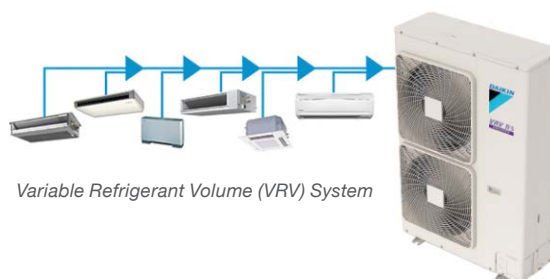
Rooftop Unit



Split System Air Conditioner



Air Handlers



Variable Refrigerant Volume (VRV) System