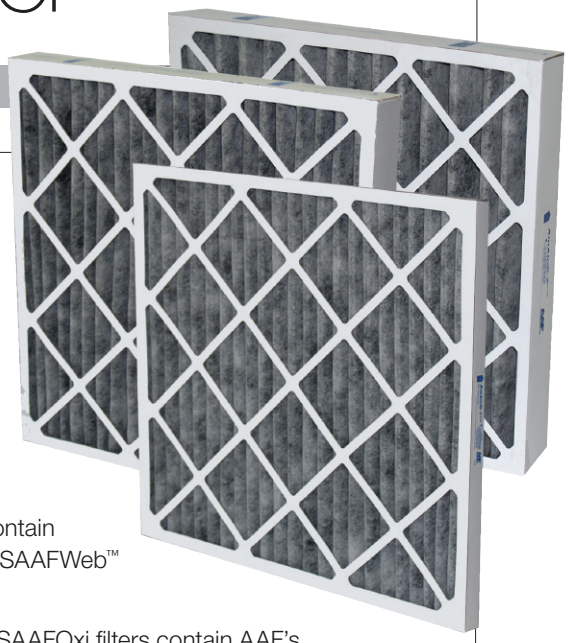
THE WORLD LEADER IN CLEAN AIR SOLUTIONS

AmAir®/C, AmAir®/C+SAAFOxi™, AmAir®/SAAFOxi™, AmAir®/CP

LONG-LASTING GAS-PHASE AND PARTICULATE FILTERS



- Economical solution to many gaseous contaminant problems, including odors
- Available in pleats, panels, and pads
- Activated carbon (AmAir/C and AmAir/CP filters), AAF Flanders' proprietary activated alumina impregnated with potassium permanganate (AmAir/SAAFOxi filter), and 50/50 blend (AmAir/C+SAAFOxi filter)
- Effective on a wide variety of gaseous contaminants, including odors found in:
  - Airports
  - Commercial buildings
  - Health clubs
  - Hospitals
  - Hotels/motels
  - IT data centers and server rooms
  - Manufacturing operations
  - Restaurants
  - Schools
  - Shopping centers
- Odor removal and corrosion control protection
- Easy to install
- Directly interchangeable with standard air filters
- Disposable
- UL Classified

Odor Control with Particulate Filtration for Improved Indoor Air Quality

The effectiveness of any gas-phase filter corresponds to the density (weight per square foot) of activated carbon contained in the product. AmAir/C, AmAir/C+SAAFOxi, and AmAir/SAAFOxi filters are more effective than other odor control filters, because they contain more chemical media, using AAF's SAAFWeb™ technology.

The AmAir/SAAFOxi and AmAir/C+SAAFOxi filters contain AAF's SAAFOxidant™, which is an exclusive formulation of activated alumina impregnated with potassium permanganate for the most effective gaseous contaminant chemisorption available.

Greater gas-phase media density solves your odor problems by removing odor concentrations and providing protection over a longer period of time. The true test of a gas-phase filter is how long it will continue to remove objectionable odors and other gaseous contaminants. AmAir/C, AmAir/C+SAAFOxi, AmAir/SAAFOxi, and AmAir/CP filters deliver fresh air longer.

AAF INTERNATIONAL
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AmAir®/C, AmAir®/C+SAAFOxi,™ AmAir®/SAAFOxi,™ AmAir®/CP

Totally Unitized Construction Offers Superior Strength

AmAir/C, AmAir/C+SAAFOxi, and AmAir/SAAFOxi filters are contained in a frame constructed of high wet strength, moisture resistant beverage board. Two mating die cut boxes are bonded together, forming a double wall around the entire filter. The SAAFWeb media is bonded to the inside of the frame on all four edges to prevent leakage and increase rigidity. A metal retainer is inserted to provide additional support on 2" thick panel filters.

Each filter is individually sealed in a poly bag to prevent adsorption of random gaseous contaminants prior to installation.

AmAir®/C+SAAFOxi™ Multi-Purpose Blend

AmAir/C+SAAFOxi 50/50 blend filter (granular activated carbon and potassium permanganate) is recommended for applications such as loading docks near air-handling equipment (air intake), and where sulfur, aldehydes, and Volatile Organic Compound (VOC) control is desired.



A 50/50 blend of carbon and SAAFOxidant™ is integrated into the AmAir®/C+SAAFOxi™ filters.

Economical, Easy Odor Control

No expensive housings or duct work modifications are necessary. There are no trays to refill or exchange. Simply install the filters as you would standard air filters and dispose of them when they are no longer effective.

Pleated Filters

AmAir/C pleated panel filters are made with activated carbon, AmAir/SAAFOxi filters are made with AAF Flanders' proprietary activated alumina impregnated with potassium permanganate, and AmAir/C+SAAFOxi filters are made with a 50/50 blend of each media. All models are available in 1", 2", and 4" depths, and are interchangeable with conventional particulate filters of the same size. They have a Minimum Efficiency Reporting Value (MERV) of 10 when tested in accordance with ASHRAE Test Standard 52.2 and are classified in accordance with UL Standard 900.

Simply replace your prefilters with AmAir/C, AmAir/C+SAAFOxi, or AmAir/SAAFOxi pleated panel filters and enjoy gaseous contaminant control and odor removal plus particulate filtration in a single product. No modifications to your current frames or latches are necessary.

Panel Filters

AmAir/C-3 2" panel filters are directly interchangeable with standard 2" air filters. The AmAir/C-3 panel offers more carbon density per square foot than the 2" pleated model.



AmAir®/C-3 carbon panel filter

Media Pads

AmAir/CP-3 media pads consist of a 1" thick substrate impregnated with 300 grams of carbon per square foot, contained in a fine mesh netting to prevent spilling. Use AmAir/CP-3 pads in combination with particulate filters to add odor removal capability to any filtration system. The carbon pads can be changed independently from other air filters to maximize the service life of each product.

More Chemical Media Than Other Gas-Phase Filters

Standard Loading (carbon weight): 45 g/ft^2, 485 g/m^2 at minimum

Model	Media Loading (g/m^2)
AmAir/C Pleat (1")	100
AmAir/C Pleat (2")	200
AmAir/C Pleat (4")	300
AmAir/C-3 Panel (2")	300
AmAir/CP-3 Pad (1")	300
AmAir/C+SAAFOxi Pleat (1" 50/50 Blend)	125
AmAir/C+SAAFOxi Pleat (2" 50/50 Blend)	250
AmAir/C+SAAFOxi Pleat (4" 50/50 Blend)	375
AmAir/SAAFOxi Pleat (1")	150
AmAir/SAAFOxi Pleat (2")	300
AmAir/SAAFOxi Pleat (4")	450

Product Information and Part numbers

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Airflow Capacity CFM @300 FPM	Airflow Capacity CFM @500 FPM	Std. Pkg. Qty. per Box	Ship Wt. Lbs. per Box (±7%)
C-1 Pleated Carbon Filters (1") - 100 Carbon Density						
182-111-319	12 x 24 x 1	11⅜ x 23⅜ x ⅞	600	1000	12	8.5
182-111-500	16 x 20 x 1	15½ x 19½ x ⅞	650	1100	12	9.5
182-111-600	16 x 25 x 1	15½ x 24½ x ⅞	850	1400	12	11.0
182-111-635	18 x 24 x 1	17⅜ x 23⅜ x ⅞	900	1500	12	12.0
182-111-700	20 x 20 x 1	19½ x 19½ x ⅞	850	1400	12	11.5
182-111-782	20 x 24 x 1	19⅜ x 23⅜ x ⅞	1000	1650	12	12.0
182-111-800	20 x 25 x 1	19½ x 24½ x ⅞	1050	1750	12	12.5
182-111-863	24 x 24 x 1	23⅜ x 23⅜ x ⅞	1200	2000	12	14.0
C-2 Pleated Carbon Filters (2") - 200 Carbon Density						
182-122-319	12 x 24 x 2	11⅜ x 23⅜ x 1¾	600	1000	6	9.9
182-122-500	16 x 20 x 2	15½ x 19½ x 1¾	650	1100	6	11.0
182-122-600	16 x 25 x 2	15½ x 24½ x 1¾	850	1400	6	14.5
182-122-635	18 x 24 x 2	17⅜ x 23⅜ x 1¾	900	1500	6	15.5
182-122-700	20 x 20 x 2	19½ x 19½ x 1¾	850	1400	6	13.9
182-122-782	20 x 24 x 2	19⅜ x 23⅜ x 1¾	1000	1650	6	15.6
182-122-800	20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	6	16.3
182-122-863	24 x 24 x 2	23⅜ x 23⅜ x 1¾	1200	2000	6	18.5
C-3 Pleated Carbon Filters (4") - 300 Carbon Density						
182-134-319	12 x 24 x 4	11⅜ x 23⅜ x 3¾	600	1000	3	7.9
182-134-500	16 x 20 x 4	15⅜ x 19⅜ x 3¾	650	1100	3	8.5
182-134-600	16 x 25 x 4	15⅜ x 24⅜ x 3¾	850	1400	3	10.0
182-134-635	18 x 24 x 4	17⅜ x 23⅜ x 3¾	900	1500	3	11.5
182-134-700	20 x 20 x 4	19⅜ x 19⅜ x 3¾	850	1400	3	12.2
182-134-800	20 x 24 x 4	19⅜ x 23⅜ x 3¾	1000	1650	3	16.5
182-134-859	20 x 25 x 4	19⅜ x 24⅜ x 3¾	1050	1750	3	15.5
182-134-863	24 x 24 x 4	23⅜ x 23⅜ x 3¾	1200	2000	3	19.0
C-3 Panel Filters (2") - 300 Carbon Density						
182-032-319	12 x 24 x 4	11⅜ x 23⅜ x 1¾	600	1000	6	12.0
182-032-500	16 x 20 x 4	15½ x 19½ x 1¾	650	1100	6	13.4
182-032-600	16 x 25 x 4	15½ x 24½ x 1¾	850	1400	6	15.7
182-032-635	18 x 24 x 4	17⅜ x 23⅜ x 1¾	900	1500	6	16.7
182-032-700	20 x 20 x 4	19½ x 19½ x 1¾	850	1400	6	15.7
182-032-800	20 x 24 x 4	19⅜ x 23⅜ x 1¾	1000	1650	6	18.2
182-032-859	20 x 25 x 4	19½ x 24½ x 1¾	1050	1750	6	18.7
182-032-863	24 x 24 x 4	23⅜ x 23⅜ x 1¾	1200	2000	6	21.4

AmAir®/C, AmAir®/C+SAAFOxi,™ AmAir®/SAAFOxi,™ AmAir®/CP

AmAir/C+SAAFOxi Disposable Pleated Filters with Odor Control. 50/50 Blend Permanganate

Product Information and Part numbers

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H x D)	Airflow Capacity CFM @300 FPM	Airflow Capacity CFM @500 FPM	Std. Pkg. Qty. per Box	Ship Wt. Lbs. per Box (±7%)
AmAir/C+SAAFOxi (1" Pleated Filters)						
182-211-319	12 x 24 x 1	11⅜ x 23⅜ x ⅞	600	1000	12	8.5
182-211-500	16 x 20 x 1	15½ x 19½ x ⅞	650	1100	12	9.5
182-211-600	16 x 25 x 1	15½ x 24½ x ⅞	850	1400	12	11.0
182-211-635	18 x 24 x 1	17⅜ x 23⅜ x ⅞	900	1500	12	12.0
182-211-700	20 x 20 x 1	19½ x 19½ x ⅞	850	1400	12	11.5
182-211-782	20 x 24 x 1	19⅜ x 23⅜ x ⅞	1000	1650	12	12.0
182-211-800	20 x 25 x 1	19½ x 24½ x ⅞	1050	1750	12	12.5
182-211-863	24 x 24 x 1	23⅜ x 23⅜ x ⅞	1200	2000	12	14.0
AmAir/C+SAAFOxi (2" Pleated Filters)						
182-222-319	12 x 24 x 2	11⅜ x 23⅜ x 1¾	600	1000	6	9.9
182-222-500	16 x 20 x 2	15½ x 19½ x 1¾	650	1100	6	11.0
182-222-600	16 x 25 x 2	15½ x 24½ x 1¾	850	1400	6	14.5
182-222-635	18 x 24 x 2	17⅜ x 23⅜ x 1¾	900	1500	6	15.5
182-222-700	20 x 20 x 2	19½ x 19½ x 1¾	850	1400	6	13.9
182-222-782	20 x 24 x 2	19⅜ x 23⅜ x 1¾	1000	1650	6	15.6
182-222-800	20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	6	16.3
182-222-863	24 x 24 x 2	23⅜ x 23⅜ x 1¾	1200	2000	6	18.5
AmAir/C+SAAFOxi (4" Pleated Filters)						
182-234-319	12 x 24 x 4	11⅜ x 23⅜ x 3¾	600	1000	3	7.9
182-234-500	16 x 20 x 4	15⅜ x 19⅜ x 3¾	650	1100	3	8.5
182-234-600	16 x 25 x 4	15⅜ x 24⅜ x 3¾	850	1400	3	10.0
182-234-635	18 x 24 x 4	17⅜ x 23⅜ x 3¾	900	1500	3	11.5
182-234-700	20 x 20 x 4	19⅜ x 19⅜ x 3¾	850	1400	3	12.2
182-234-782	20 x 24 x 4	19⅜ x 23⅜ x 3¾	1000	1650	3	15.5
182-234-800	20 x 25 x 4	19⅜ x 24⅜ x 3¾	1050	1750	3	16.5
182-234-863	24 x 24 x 4	23⅜ x 23⅜ x 3¾	1200	2000	3	19.0

AmAir/SAAFOxi Disposable Pleated Filters for Odor Control. Activated Alumina Impregnated with 5% Potassium Permanganate

Product Information and Part numbers

Part Number	Nominal Size Inches (W x H x D)	Actual Size Inches (W x H xD)	Airflow Capacity CFM		Std. Pkg. Qty. per Box	Ship Wt. Lbs. per Box (±7%)
			@300 FPM	@500 FPM		
AmAir/SAAFOxi-1 (1" Pleated Filters)						
182-311-319	12 x 24 x 1	11 3/8 x 23 3/8 x 7/8	600	1000	12	13.2
182-311-500	16 x 20 x 1	15 1/2 x 19 1/2 x 7/8	650	1100	12	14.7
182-311-600	16 x 25 x 1	15 1/2 x 24 1/2 x 7/8	850	1400	12	17.2
182-311-635	18 x 24 x 1	17 3/8 x 23 3/8 x 7/8	900	1500	12	18.7
182-311-700	20 x 20 x 1	19 1/2 x 19 1/2 x 7/8	850	1400	12	17.9
182-311-782	20 x 24 x 1	19 3/8 x 23 3/8 x 7/8	1000	1650	12	19.1
182-311-800	20 x 25 x 1	19 1/2 x 24 1/2 x 7/8	1050	1750	12	19.4
182-131-863	24 x 24 x 1	23 3/8 x 23 3/8 x 7/8	1200	2000	12	21.8
AmAir/SAAFOxi-2 (2" Pleated Filters)						
182-322-319	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	600	1000	6	15.4
182-322-500	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	650	1100	6	17.2
182-322-600	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	850	1400	6	22.6
182-322-635	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	900	1500	6	24.1
182-322-700	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	850	1400	6	21.6
182-322-782	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1000	1650	6	24.2
182-322-800	20 x 25 x 2	19 1/2 x 24 1/2x 1 3/4	1050	1750	6	25.3
182-322-863	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1200	2000	6	24.8
AmAir/SAAFOxi-3 (4" Pleated Filters)						
182-334-319	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	600	1000	3	13.2
182-334-500	16 x 20 x 4	15 3/8 x 19 3/8 x 3 3/4	650	1100	3	14.7
182-334-600	16 x 25 x 4	15 3/8 x 24 3/8 x 3 3/4	850	1400	3	17.2
182-334-635	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	900	1500	3	18.7
182-334-700	20 x 20 x 4	19 3/8 x 19 3/8 x 3 3/4	850	1400	3	19.1
182-334-800	20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	1000	1650	3	19.4
182-334-859	20 x 25 x 4	19 3/8 x 24 3/8 x 3 3/4	1050	1750	3	19.4
182-334-863	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	1200	2000	3	21.8

AmAir®/C, AmAir®/C+SAAFOxi,™ AmAir®/SAAFOxi,™ AmAir®/CP

Engineering Data – Standard Sizes

Nominal Size (inches)	Actual Size (inches)	Pleated Filters	Panel Filters	Media Pads	Airflow Capacity CFM		Filters/Pads Per Carton
					@300 FPM	@500 FPM	
12 x 24 x 1	11 3/8 x 23 3/8 x 7/8	•		•	600	1000	12
16 x 20 x 1	15 3/8 x 19 3/8 x 7/8	•		•	650	1100	12
16 x 25 x 1	15 3/8 x 24 3/8 x 7/8	•		•	850	1400	12
18 x 24 x 1	17 3/8 x 23 3/8 x 7/8	•		•	900	1500	12
20 x 20 x 1	19 3/8 x 19 3/8 x 7/8	•		•	850	1400	12
20 x 24 x 1	19 3/8 x 23 3/8 x 7/8	•		•	1000	1650	12
20 x 25 x 1	19 3/8 x 24 3/8 x 7/8	•		•	1050	1750	12
24 x 24 x 1	23 3/8 x 23 3/8 x 7/8	•		•	1200	2000	12
12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	•	•		600	1000	6
16 x 20 x 2	15 3/8 x 19 3/8 x 1 3/4	•	•		650	1100	6
16 x 25 x 2	15 3/8 x 24 3/8 x 1 3/4	•	•		850	1400	6
18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	•	•		900	1500	6
20 x 20 x 2	19 3/8 x 19 3/8 x 1 3/4	•	•		850	1400	6
20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	•	•		1000	1650	6
20 x 25 x 2	19 3/8 x 24 3/8 x 1 3/4	•	•		1050	1750	6
24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	•	•		1200	2000	6
12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	•			600	1000	3
16 x 20 x 4	15 3/8 x 19 3/8 x 3 3/4	•			650	1100	3
16 x 25 x 4	15 3/8 x 24 3/8 x 3 3/4	•			850	1400	3
18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	•			900	1500	3
20 x 20 x 4	19 3/8 x 19 3/8 x 3 3/4	•			850	1400	3
20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	•			1000	1650	3
20 x 25 x 4	19 3/8 x 24 3/8 x 3 3/4	•			1050	1750	3
24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	•			1200	2000	3

Model Designation	Size	[1]Rated Initial Resistance (in. w.g.)		Efficiency @500 FPM	Recommended Final Resistance (in. w.g.)	[2]Media Loading (g/m^2)
		@300 FPM	@500 FPM			
AmAir/C, AmAir/C+SAAFOxi, and AmAir/SAAFOxi Pleated Panel Filters:						
C, C+SAAFOxi, and SAAFOxi	1"	0.21"	0.41"	MERV 10	1.0"	150
C, C+SAAFOxi, and SAAFOxi	2"	0.20"	0.39"	MERV 10	1.2"	300
C, C+SAAFOxi, and SAAFOxi	4"	0.15"	0.30"	MERV 10	1.2"	450
AmAir/C Panel Filter:						
C-3 Panel	2"	0.31"	0.75"	MERV 5	1.2"	300
AmAir/CP Media Pad:						
CP-3 Pad	1"	0.25"	0.54"	–	1.0"	300

(1) All performance data is based on the ASHRAE 52.2-1999 test method. Performance tolerances conform to Section 7.4 ARI Standard 850-93.
(2) Carbon amount is based on standard loading 485 g/m^2 (45g/ft^2)

Carbon Activity Rating: *Minimum 60% on carbon tetrachloride (CCl4) at 25°C.*
SAAFOxidant Potassium Permanganate Impregnation Rating: *Minimum 4%.*

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

Operating Temperature Limits:
AmAir/C, AmAir/C+SAAFOxi, AmAir/SAAFOxi, and AmAir/CP filters and pads are designed for continuous operating temperatures up to 120°F (49°C). Temperatures above 120°F have an adverse effect on adsorption.

Underwriters Laboratories, Inc. Classification:
AmAir/C, AmAir/C+SAAFOxi, AmAir/SAAFOxi, and AmAir/CP filters and pads are classified in accordance with UL Standard 900.

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

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