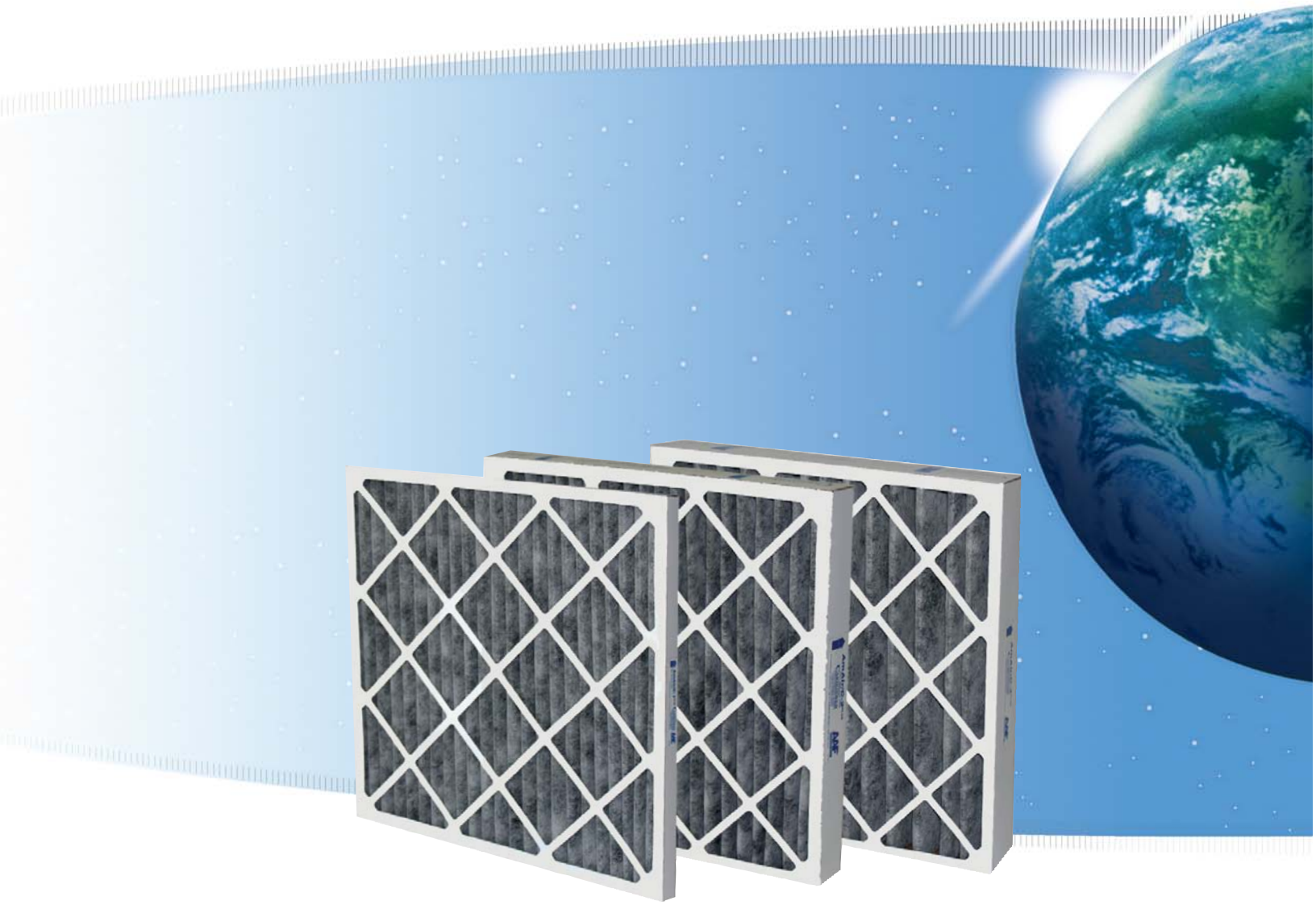


AmericanAirFilter®

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

Disposable Filters for Economical, Effective, Long-Lasting Gas-Phase and Particulate Filtration

Better Air is Our Business® AAF® INTERNATIONAL

AmericanAirFilter®

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

Disposable Filters for Economical, Effective, Gas-Phase and Particulate Filtration

AmAir®/C filters in 1", 2", and 4" depths

- ***Economical solution to many gaseous contaminant problems including odors***
- ***Available in pleats, panels, and pads***
- ***Activated carbon (AmAir/C and AmAir/CP filters), AAF's 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***
- ***Odor removal and corrosion control protection***
- ***Easy to install***
- ***Directly interchangeable with standard air filters***
- ***Disposable***
- ***UL 900 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.

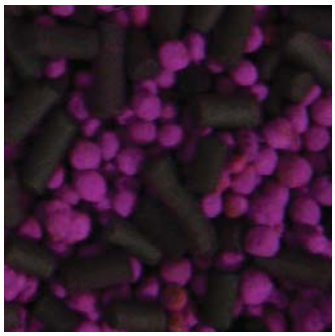
Greater gas-phase media density solves your odor problems by removing odor concentrations and providing protection over a longer period of time. The true test of a gas-phase filter is how long it will continue to remove objectionable odors and other gaseous contaminants. AmAir/C, AmAir/C+SAAFOxi, AmAir/SAAFOxi,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

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 filters (granular activated carbon and potassium permanganate) are recommended for applications such as loading docks near air-handling equipment (air intake) and where sulfur, aldehydes, and 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. 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 with AAF's proprietary activated alumina impregnated with potassium permanganate, and AmAir/C+SAAFOxi filters 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 7 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 filter offers more carbon density per square foot than the 2" pleated model.

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.

AmAir®/C-3 carbon panel filter

Typical Odor Applications and Problems

Applications	AmAir/C Filters	AmAir/C+ SAAFOxi Filters
Nursing Homes	•	
Loading Docks: diesel odors		•
Refuse: trash, dumpsters		•
Cooking Odors: restaurants, cafeterias	•	
Ozone: may be needed for urban areas during periods when ozone levels are elevated	•	
Chemical Odors: cleaning chemicals and solvents	•	
Sewer Odors		•
Common Indoor Air Contaminants Associated with Furnishings and Electronic Equipment: formaldehyde and volatile organic compounds (VOCs)		•
Data Centers and Server Rooms, Corrosion Protection of Electronic Equipment		•
Roof Renovation Odors: tar odor		•
Construction and Renovation Odors: sealants, paints, solvents, and adhesives	•	

More Chemical Media Than Other Gas-Phase Filters

Model	Chemical Media Density grams/ft.^{2}
AmAir/C Pleat:	
(1")	100
(2")	200
(4")	300
AmAir/C-3 Panel (2")	300
AmAir/CP-3 Pad (1")	300
AmAir/C+SAAFOxi:	
Pleat (1" 50/50 Blend)	125
Pleat (2" 50/50 Blend)	250
Pleat (4" 50/50 Blend)	375
AmAir/SAAFOxi Pleat:	
(1")	150
(2")	300
(4")	450

AmericanAirFilter®

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 @300 FPM	Airflow Capacity CFM @500 FPM	Filters/Pads Per Carton
12 x 24 x 1	11⅜ x 23⅜ x ⅞	•		•	600	1000	12
16 x 20 x 1	15⅜ x 19⅜ x ⅞	•		•	650	1100	12
16 x 25 x 1	15⅜ x 24⅜ x ⅞	•		•	850	1400	12
18 x 24 x 1	17⅜ x 23⅜ x ⅞	•		•	900	1500	12
20 x 20 x 1	19⅜ x 19⅜ x ⅞	•		•	850	1400	12
20 x 24 x 1	19⅜ x 23⅜ x ⅞	•		•	1000	1650	12
20 x 25 x 1	19⅜ x 24⅜ x ⅞	•		•	1050	1750	12
24 x 24 x 1	23⅜ x 23⅜ x ⅞	•		•	1200	2000	12
12 x 24 x 2	11⅜ x 23⅜ x 1¾	•	•		600	1000	6
16 x 20 x 2	15⅜ x 19⅜ x 1¾	•	•		650	1100	6
16 x 25 x 2	15⅜ x 24⅜ x 1¾	•	•		850	1400	6
18 x 24 x 2	17⅜ x 23⅜ x 1¾	•	•		900	1500	6
20 x 20 x 2	19⅜ x 19⅜ x 1¾	•	•		850	1400	6
20 x 24 x 2	19⅜ x 23⅜ x 1¾	•	•		1000	1650	6
20 x 25 x 2	19⅜ x 24⅜ x 1¾	•	•		1050	1750	6
24 x 24 x 2	23⅜ x 23⅜ x 1¾	•	•		1200	2000	6
12 x 24 x 4	11⅜ x 23⅜ x 3¾	•			600	1000	3
16 x 20 x 4	15⅜ x 19⅜ x 3¾	•			650	1100	3
16 x 25 x 4	15⅜ x 24⅜ x 3¾	•			850	1400	3
18 x 24 x 4	17⅜ x 23⅜ x 3¾	•			900	1500	3
20 x 20 x 4	19⅜ x 19⅜ x 3¾	•			850	1400	3
20 x 24 x 4	19⅜ x 23⅜ x 3¾	•			1000	1650	3
20 x 25 x 4	19⅜ x 24⅜ x 3¾	•			1050	1750	3
24 x 24 x 4	23⅜ x 23⅜ x 3¾	•			1200	2000	3

Performance Data

Model Designation	Size	[1]Rated Initial Resistance (in. w.g.) @300 FPM	[1]Rated Initial Resistance (in. w.g.) @500 FPM	Efficiency @500 FPM	Recommended Final Resistance (in. w.g.)	[2]Media Density (gms./ft.²)
AmAir/C, AmAir/C+SAAFOxi, and AmAir/SAAFOxi Pleated Panel Filters:						
C, C+SAAFOxi, and SAAFOxi	1"	0.21"	0.41"	MERV 7	1.0"	100
C, C+SAAFOxi, and SAAFOxi	2"	0.20"	0.39"	MERV 7	1.2"	200
C, C+SAAFOxi, and SAAFOxi	4"	0.15"	0.30"	MERV 7	1.2"	300
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 density is stated in grams per square foot of filter face area.

Carbon Activity Rating: Minimum 60% on carbon tetrachloride (CCl4) at 25˚C.
SAAFOxidant Potassium Permanganate Impregnation Rating: Minimum 8%.

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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