



Fresh Air Supreme™

Chemically Enhanced Carbon Pleated Filter

Chemically Enhanced Carbon removes a wider range of odors

Fresh Air Supreme takes pleated carbon filters to the next level of odor control. Chemically enhanced, impregnated carbon removes a wide range of odors and compounds not captured by standard activated carbon, including:

- Diesel fumes
- Emissions from new furnishings - carpet, wall coverings, adhesives, paint, particle board, formaldehyde
- "Rotten egg" odor - hydrogen sulfide and mercaptans
- Acid gases - sulfur dioxide, nitrous oxides
- Superior performance on VOC's (gasoline, solvents, nicotine)
- Excellent prefilter to enhance performance of activated carbon systems

The specially formulated, chemically enhanced media captures odors through chemical reaction and adsorption. (Standard activated carbon relies on physical adsorption only.)

Increased carbon content increases capacity

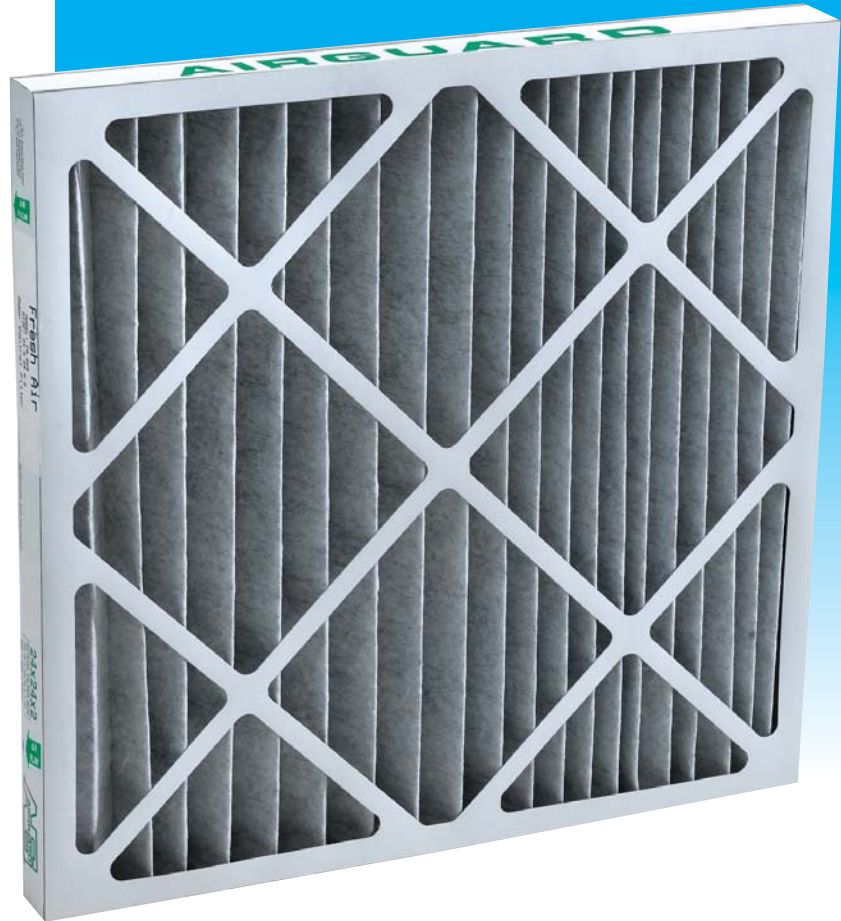
Not only does new Fresh Air Supreme offer expanded odor control, it contains 55% more carbon for longer lasting life.

- Higher carbon loading - 250 grams per square meter
- More pleats - 14.4 per lineal foot (2")

MERV 8 Prefilter captures more particulate

Fresh Air Supreme is made with a dual layer media to offer both higher particulate efficiency plus greater odor control. The prefilter layer is a 100% synthetic media with a MERV 8 performance.

Sizes	
12x24x2	12x24x4
16x20x2	16x20x4
16x25x2	16x25x4
20x20x2	20x20x4
20x25x2	20x25x4
24x24x2	24x24x4



Fresh Air Supreme offers more carbon, greater odor control and longer life, with higher particulate removal efficiency - setting a new standard in indoor air quality.

Other Enhanced Features

- Moisture resistant, die cut beverage board frame
- Sealed media pack prevents bypass
- Each filter is individually sealed in a poly bag to prevent odor adsorption from occurring prior to installation
- Self-supported media pack, contains no metal for improved incinerability and disposal
- Carbon media is contained in a spun bonded synthetic scrim sleeve - no carbon spilling, very clean

Performance Data			
Initial Resistance (In W.G.)			
2" @500 FPM	.52"	Efficiency:	30-35%
4" @500 FPM	.44"	Arrestance:	90-92%
		MERV Rating:	8

Recommended Final Resistance is 1.2" W.G.

Performance per ASHRAE 52.2-2007. Tested at 492 FPM on 24x24x2 and 24x24x4 nominal size.

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Consider the many possibilities where Fresh Air Supreme filters can reduce odors:

Airports	Exercise Facilities	Labs
Anthrax Decontamination	Fitness Centers	Museums & Libraries
Bars & Restaurants	Food Processing Plants	Packing Houses
Beauty Salons	Gymnasiums	Pet Shops
Buildings with loading docks located near air intakes (diesel fumes)	Hospitals	Roofing work (tar, asphalt)
	Industrial Facilities	Newly Redecorated Facilities

Fresh Air Supreme Filters are effective at removing a wider variety of odors and compounds than standard activated carbon.

Additional odors removed by Fresh Air Supreme compared to standard activated carbon are highlighted in blue.

Acetone	Diesel Fumes	Nicotine	Stiffness
Acid Gases	Disinfectants	Nitrous Oxides	Sulfur Dioxide
Adhesive		Noxious Gases	
Alcohol	Exhaust Fumes		Tar
Alcoholic Beverages	Fertilizer	Onions	Tobacco Smoke
Animal Odors	Film Processing Odors	Organic Chemicals	Toilet Odors
Antiseptics	Fish Odors	Ozone	Turpentine
Asphalt Fumes	Floral Scents		
Automobile Exhaust	Food Aromas	Paint & Redecorating Odors	Varnish
	Formaldehyde	Paper Deteriorations	Vinegar
Bacteria	Fruits	Particle board	VOC's
Bleaching Solutions	Furnishings	Paste	Wall Coverings
Body Odors		Perfumes	Waste Products
Burned Flesh	Garlic	Perspiration	
Burned Food	Gasoline	Pet Odors	
Burning Fat	Glue	Plastics	
		Pollen	
Carpet Odors	Household Smells	Sauerkraut	
Charred Materials	Hydrogen Sulfide (rotten egg odor)	Sewer Odors	
Cheese	Kerosene	Slaughtering odors	
Citrus and other Fruits	Kitchen Odors	Smog	
Cleaning Compounds	Lubricating Oils and Greases	Soaps	
Cooking Odors		Smoke	
Candy & Popcorn	Medical Agents	Solvents	
Dead Animal	Melons	Sour Milk	
Decaying Substances	Mercaptans	Spilled Beverages	
Decomposition Odors	Mildew	Spoiled Food Stuffs	
Deodorants	Mold	Stale Odors	
Detergents	Moth Balls		



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