

PUR AIR® COMBO

Odor and Dust Control Filter



Enjoy Pure, Odor-Free and Dust-Free Air

The PUR AIR® COMBO filter fits easily in place of any standard 2" thick throw-away particulate pre-filter. As air passes through the PUR AIR® COMBO, dust is removed in the particulate section and odorous gases are controlled in the activated carbon section. The PUR AIR® COMBO is most effective in a recirculating application. Each time the recirculated air passes through the filter, its level of purity is increased.

A quick, inexpensive solution to odor problems

- Office Buildings
- Health Clubs
- Shopping Malls
- Beauty Salons
- Restaurants
- Hospitals
- Schools
- Doctor and Dentist Offices
- Veterinarian Offices

Removes odors from

- Smoking
- Cooking
- Light Manufacturing
- Restrooms
- And Many Other Applications

Size (in.)		Capacity (cfm)		Resistance to Air Flow (inches w.g.)	
Nominal	Actual	300 fpm	500 fpm	300 fpm	500 fpm
W x H x D	W x H x D				
12 x 24 x 2	11 ³ / ₈ x 23 ³ / ₈ x 1 ³ / ₄	600	1,000	0.23	.60
16 x 20 x 2	15 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	650	1,080	0.23	.60
16 x 25 x 2	15 ¹ / ₂ x 24 ¹ / ₂ x 1 ³ / ₄	850	1,420	0.23	.60
20 x 20 x 2	19 ¹ / ₂ x 19 ¹ / ₂ x 1 ³ / ₄	850	1,420	0.23	.60
20 x 25 x 2	19 ¹ / ₂ x 24 ¹ / ₂ x 1 ³ / ₄	1,050	1,755	0.23	.60
24 x 24 x 2	23 ³ / ₈ x 23 ³ / ₈ x 1 ³ / ₄	1,200	2,000	0.23	.60

Special sizes not available

Equipment and Systems

Visit our website at www.calgoncarbon.com, or call 800-422-7266 to learn more about our complete range of products and services, and obtain local contact information.

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Particulate Filter Media

The particulate filter is produced from reinforced, non-woven cotton fibers. The media has a high dust retention capacity due to the unique formation of the fibers which offer maximum surface area. For safety purposes, the media is treated with a fire-retardant additive, UL Class 2 for Flammability. This media is rated at 25% - 35% average efficiency when tested in accordance with ASHRAE test method 52-76. The arrestance value exceeds 90%. The filter has a high reliability under all operating conditions.

Construction

PUR AIR® COMBO filters are enclosed in a frame that is die cut from two pieces of heavy duty beverage board. This unit includes diagonal support members, which are an integral part of the frame. Each member, and all inside surfaces, are bonded to the particulate media pack and the carbon pack. This bonding ensures proper pleat spacing, retention of pleat and carbon pack, and eliminates the possibility of contaminated air bypassing the filter. When assembled, the tow mating sections of the frame overlap to provide a rigid double wall construction on all four sides.

Activated Carbon

The carbon pack is fabricated of a rigid support structure charged with activated carbon. The activated carbon typically has a surface area of 1,000 square meters per gram or over one million square feet of surface area per square foot of PUR AIR® COMBO filter. The activated carbon is loaded in the carbon pack in a partial bypass configuration to promote odor removal and long life in a recirculation application. The actual life of the filter is a function of the dust loading and vapor loading of each application.

Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State requirements.

Visit our website at www.calgoncarbon.com



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