

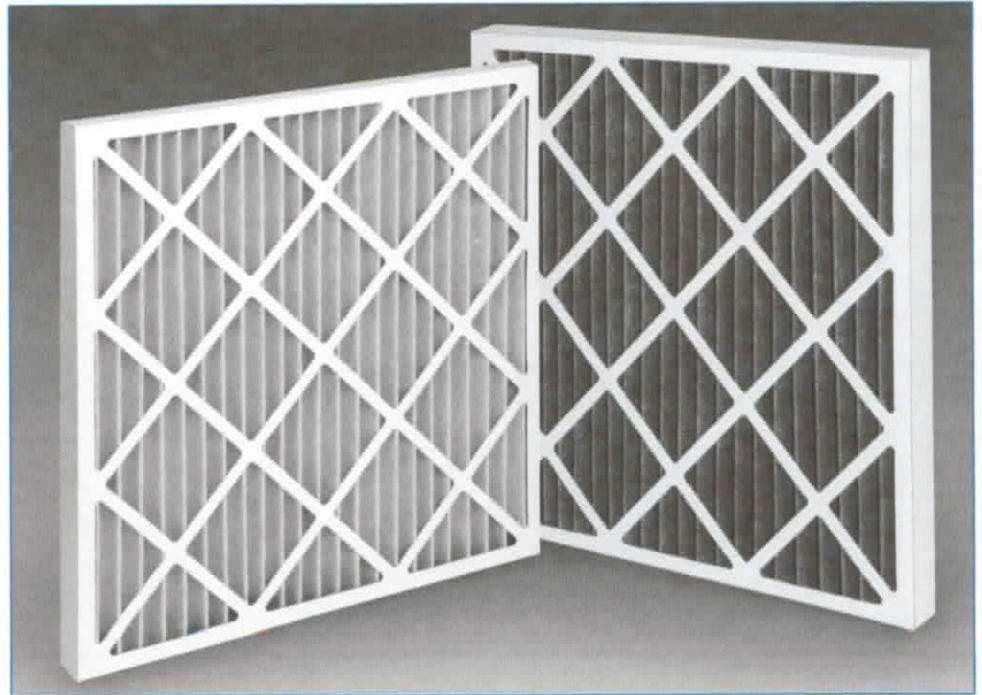


**DAFCO FILTRATION GROUP®**

## SERIES 750 ODOR REMOVAL PLEAT



- *MERV 11 (per ASHRAE Standard 52.2-2007)*
- *HEGA 651 grade carbon for broad spectrum chemical removal including VOCs, ozone, acid gases and formaldehyde*
- *50% higher carbon loading vs. Series 550 odor removal pleat*
- *Non-dusting media*
- *Advanced media does not rely on electrostatic charge for particulate efficiency*
- *100% synthetic media does not promote biological growth*



### **DESCRIPTION**

The Aerostar Series 750 Plus carbon pleated air filter is designed to provide higher levels of both particulate and gas phase air filtration compared to standard carbon pleated filters. The self-supportive media used in the Series 750 Plus is comprised of a state-of-the-art 100% synthetic pre-filtration layer laminated to a chemically enhanced activated carbon filtration layer and achieves MERV 11 particulate efficiency. These carbon pleated filters are designed for the control of low and/or intermittent chemicals and nuisance odors. The filter media is enclosed in a heavy-duty, moisture resistant die-cut frame that will not warp, crack or distort under normal operating conditions. Aerostar Series 750 Plus carbon pleats are recommended for use in most commercial and industrial applications to protect people, equipment and processes, or as pre-filters to higher efficiency air filters.

### **BENEFITS**

The Aerostar Series 750 Plus carbon pleated air filter offers an exceptional combination of MERV 11 particulate filtration and mid-level chemical filtration in a single filter frame. The media contains 50% more carbon for higher removal efficiency and longer filter life. The HEGA 651 activated carbon grade used in this media effectively captures a wider range of odors and chemical air pollutants compared to basic activated carbon.

### **APPLICATIONS**

The Aerostar Series 750 Plus carbon pleated air filters are designed for use in commercial and industrial buildings, hospitals, airports, museums and archives, schools and universities, hotels, food services, nursing homes, animal care and any other application requiring higher levels of both particulate and chemical filtration. These filters are best suited for use where chemical contaminant levels are low and/or intermittent.

# SERIES 750 ODOR REMOVAL PLEAT



## DIMENSIONS AND PERFORMANCE DATA

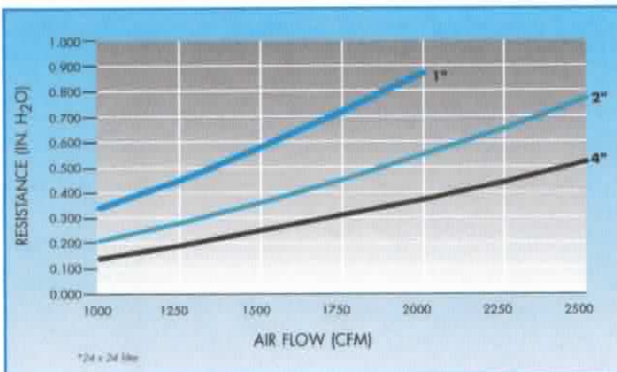
PART NUMBER*	NOMINAL SIZE (H x W x D)	INITIAL RESISTANCE @ 250 fpm [* w.g.]	RESISTANCE @ 500 fpm [* w.g.]
173241	12 x 24 x 1	0.33	N/A
173041	20 x 24 x 1	0.33	N/A
173441	24 x 24 x 1	0.33	N/A
173242	12 x 24 x 2	0.21	0.54
173042	20 x 24 x 2	0.21	0.54
173442	24 x 24 x 2	0.21	0.54
173244	12 x 24 x 4	0.14	0.37
173044	20 x 24 x 4	0.14	0.37
173444	24 x 24 x 4	0.14	0.37

\* Other sizes available upon request

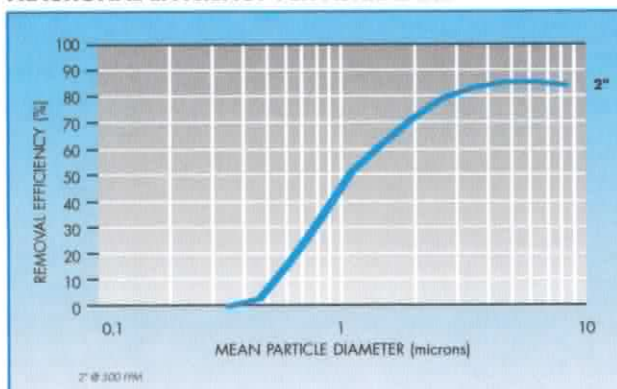
## CHEMICALS REMOVED BY SERIES 750

Acetone	Asphalt Fumes	Cooking Odors	Film Processing	<b>Mercaptans</b>	Paint Fumes	Varnish Fumes
<b>Acid Gases</b>	Building Material	Cosmetic Odors	Odors	MEK (Methyl Ethyl	Perfumes	<b>Vinegar</b>
Adhesives	Odors	Decomposition	Food Odors	Ketone)	Sewer Odors	(Acetic Acid)
Alcohol Vapor	Burned Flesh	Odors	<b>Formaldehyde</b>	Mineral Spirits	Solvents	VOCs
Alcoholic	Burned Food	Detergents	Gasoline Fumes	Moist Balls	<b>Sulfur Dioxide</b>	(Volatile Organic
Beverages	Chlorine	<b>Diesel Exhaust</b>	<b>Hydrogen Sulfide</b>	Nitrogen Oxides	Tar	Compounds)
Animal Odors	(Swimming Pool)	Embalming Odors	(Rotten Egg)	<b>Onion Odors</b>	Tobacco Smoke	Xylene
Antiseptics	Cleaning Compounds	Fertilizer	Kerosene	Ozone	Turpentine	

## AIR FLOW VS. RESISTANCE\*



## FRACTIONAL EFFICIENCY PER ASHRAE 2.2



## APPLICATION & MATERIALS

Recommended

Final Resistance: 1.25" w.g.

Frame: Moisture Resistant Die Cut

Media: The carbon-loaded media is constructed of a bi-component polyester fiber. A thermal bonding process attaches the fibers to the activated carbon particles, securing the carbon in place without the use of adhesives. This unique process maximizes the amount of carbon surface area that is exposed to odors.

## ENGINEERING SPECIFICATIONS

### 1.0 General

- 1.1 Filters shall be Aerostar® Series 750 odor removal pleated air filters as manufactured by Dufco Filtration Group.
- 1.2 Filters shall be available in nominal depths of 1", 2" and 4".
- 1.3 Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Materials of Construction

- 2.1 Media shall be carbon loaded non-woven media consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain chemically enhanced coconut shell activated carbon loaded at 300 grams per square meter.
- 2.2 Frame shall be a heavy duty, high strength, moisture resistant paperboard with cross member design that increases filter rigidity and prevents breaching. Frame shall be made with 100% recycled paperboard with an average of 35% post-consumer content. Frame shall be recyclable.
- 2.3 Filters shall be of a metal-free construction that can be completely incinerated and does not contain galvanized steel in order to reduce its impact when land filled.

### 3.0 Filter Performance

- 3.1 Filters shall be available in a MERV 11 configuration when fully tested in accordance with ASHRAE 52.2-2007 Test Standard.
- 3.2 Filter shall demonstrate effectiveness against toluene, hydrogen sulfide and formaldehyde when tested as recommended in ASHRAE 145.2 Test Standard.
- 3.3 Filter initial pressure drop shall not exceed 0.66" w.g. when tested at the rated air flow. Filters shall have a recommended final resistance of 1.25" w.g.
- 3.4 Filters shall be rated to withstand a continuous operating temperature of at least 150°F.

Distributed by:

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