

## PRODUCT OVERVIEW

- Available with carbon only or blended with potassium permanganate
- Excellent gas phase filter for recirculated air applications
- Ideal for use in odor control applications where higher levels of contaminant would overwhelm carbon pleats



## PURAFILTER® GAS PHASE

### WHY THE PURAFILTER® GAS PHASE?

- Granular activated carbon suspended in honeycomb packs
- Over 20 pounds of activated carbon in a 24x24x12 filter
- All plastic high impact frame creates an exceptionally strong lightweight filter and is superior for corrosion resistance
- Single header allows for use in almost all 12" installations
- Loose full carbon for superior odor removal efficiency and capacity
- Deep V-format for additional surface area
- Built-in handle\* for easy handling and installation
- Disposable, easy to use, low service cost

\* patent #6,955,696



# PURAFILTER® GAS PHASE

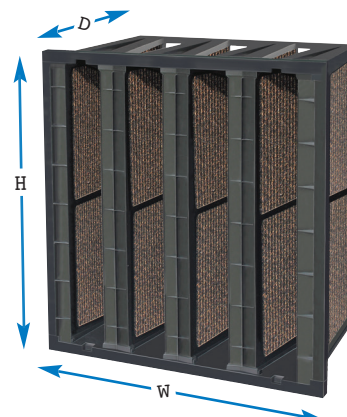
## DIMENSIONS AND PERFORMANCE DATA

### ACTIVATED CARBON (100% FILL)

PART NUMBER*	NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	INITIAL RESISTANCE @ 500 fpm (*w.g.)	MEDIA WEIGHT (PER FILTER)	SHIPPING WEIGHT
40223	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	0.51	11	16
40226	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	0.51	20	27
40175	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	0.51	24	32

### ACTIVATED CARBON/POTASSIUM PERMANGANATE (100% BLEND)

PART NUMBER*	NOMINAL SIZE (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	INITIAL RESISTANCE @ 500 fpm (*w.g.)	MEDIA WEIGHT (PER FILTER)	SHIPPING WEIGHT
40218	12 x 24 x 12	11 3/8 x 23 3/8 x 11 1/2	0.36	13	18
40234	20 x 24 x 12	19 3/8 x 23 3/8 x 11 1/2	0.36	23	30
40217	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	0.36	28	37



### CONTAMINANTS REMOVED BY ACTIVATED CARBON

Acetone	Naphtha
Benzene	Nitrobenzene
Chlorobenzene	Ozone
Chloroform	Paint Fumes
Gasoline	Perchloroethylene
Methylene Chloride	Pyridine
Methyl Chloroform	Styrene
Methyl Ethyl Ketone	Toluene

### CONTAMINANTS REMOVED BY POTASSIUM PERMANGANATE IMPREGNATED MEDIA

Acetylene	Mercaptans
Alcohols	Nitrogen Oxides
Low Molecular Weight Aldehydes (like Formaldehyde)	Organic Oxides
	Sulfur Oxides

## ENGINEERING SPECIFICATIONS

### 1.0 General

- 1.1 Filters shall be Aerostar® Purafilter® Gas Phase air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in nominal depths of 12" only.
- 1.3 Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Materials of Construction

- 2.1 Media shall be 3/4" honeycomb media packs filled with virgin coconut shell 6 x 12 mesh activated carbon, or a 50/50 blend of activated carbon and potassium permanganate impregnated alumina.

- 2.2 Frame shall be a high impact plastic with a built in header on top and bottom.
- 2.3 Filter media pack shall be adhered and sealed to frame with polyurethane to prevent by-pass.

### 3.0 Filter Performance

- 3.1 For initial resistance of filters, see Performance Data chart above.
- 3.2 Filters shall be rated to withstand a continuous operating temperature of up to 150°F.