

# CAMERON GREAT LAKES, INC.

## MOLECULAR FILTRATION SPECIALISTS

# VAPORTRAP

## DISPOSABLE V-BANK

### FEATURES

- 36 pounds of activated carbon in a nominal 24" x 24" x 12".
- Pressure drop 0.45 iwg @ 2000 CFM.
- Revolutionary bulk fill, no honeycomb design.
- Total detention, no bypass
- Custom media fill available
- Suitable for initial and retrofit applications in both front and side access arrangements.
- Available in custom sizes, length, width and depths from 4" to 12" in both box and header styles.
- Initial efficiency greater than 95 % at rated air flow.
- Moisture resistant construction, allows for use where humidity and moisture are present.



### APPLICATIONS

The Vapor Trap disposable v-bank filter is ideally suited for use in both commercial and industrial applications. Its unique design and versatility allows it to be an easy retrofit in any HVAC system, and custom OEM applications. The filter can be supplied as is or with a downstream dusting filter that is an integral part of the filter panel. Designed for high efficiency and long life, it is an economical solution for removal of various contaminants including, diesel fumes, smoke, unwanted food odors, chemical contaminants, outdoor and indoor air pollutants, formaldehyde and ozone.

HOSPITALS

AIRPORTS & CONTROL TOWERS

MUSEUMS & ARCHIVES

BARS & RESTAURANTS

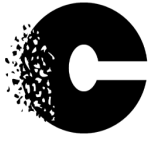
SEMICONDUCTOR APPLICATIONS

INDUSTRIAL FACILITIES

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### PERFORMANCE DATA

Model Number	Face Size, in	CFM	Pressure Drop IWG	Dwell Time, sec.	Media Weight Lbs.	Total Cell Weight, lbs
VT242412	23.375 x 23.375	1500	0.30	0.098	Carbon : 36	53
		2000	0.45	0.074	C/ZK6 : 50	72
					CI : 41	
VT122412	11.375 x 23.375	750	0.27	0.084	Carbon: 18	27
		1000	0..45	0.063	C/ZK6: 25	36
					CI 20.5	

#### NOTES

1. Standard depth is 11.31. Custom depths from 4" - 12" are available upon request.
2. Filters are available in box, single header, and double header styles.
3. When filter banks incorporate two or more different adsorber sizes, calculate single number approximations of pressure drop and dwell times by multiplying values for each size by their relative filter bank area, and add the results.

### SPECIFICATION GUIDE

#### CONSTRUCTION

- Adsorber shall be constructed of multiple media filled panels. Each 24 x 24 x 12 filter shall hold 12 panels arranged in a V-Bank configuration and sealed in a polished aluminum or galvanized frame.
- Individual panels shall be 0.75 inches thick and made of galvanized steel expanded metal with polypropylene supports. The polypropylene supports shall be spaced every 1 1/2" and angled to prevent any bypass.
- Standard media is 4 x 8 or 4 x 6 mesh.
- Panels shall be individually fastened to the frame. Frame shall be fully lined with gasket to prevent bypass.
- Vapor Trap filters shall be individually sealed in a plastic bag, and placed in individual cartons at

#### PERFORMANCE

- Standard carbon shall have a minimum 60% CTC activity per ASTM D-3467 test method.
- Standard ZK-6 shall have a minimum 6% potassium permanganate.
- A 24 x 24 x 12 inch Vapor Trap shall contain no less than 36 pounds of carbon and no less than 50 pounds of C/ZK-6 and no less than 72 pounds of ZK6.
- The air resistance on a 24 x 24 x 12 nominal shall be no more than 0.50 in. of WG when operating at 2000 CFM.
- Adsorber shall be designed for total detention gaseous contamination control.

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