

# Tri-Sorb™ V

## V-Cell Molecular Filtration

### FEATURES

- Easy retrofit
- Low static pressure
- Molecular filtration
- Granular activated carbon
- Available with single, double and no header frame
- Available with specialty carbons
- High removal efficiency
- Long service life
- 36 lbs carbon in 24 x 24 x 12 filter



### APPLICATIONS

- Commercial
- Health care
- Industrial plants
- Laboratories
- Institutional
- Governmental
- Microelectronic
- IAQ problems
- Industrial
- Casinos
- Chemical

### HIGH EFFICIENCY, EXTENDED SURFACE, SELF SUPPORTED, V-CELL BOX FILTER

Tri-Sorb V filter is a V-cell molecular filter that has it all - it offers a large quantity of carbon, low resistance and easy retrofit into current HVAC systems.

Tri-Sorb V is offered in a variety of frame styles - single header, double header and no header box style - this broad offering of frame styles allows for easy and convenient retrofit into most all housing/holding frame configurations. The frame is constructed of polished aluminum frame with individual panels constructed of galvanized metal and polypropylene supports sealed into the frame.

The V-cell configuration allows for a substantial amount of carbon media and low operating resistance.

The Tri-Sorb V filter in a 24 x 24 x 12 size holds an incredible 36 pounds (16.34 kg) of granular activated carbon. This is achieved due to its unique bulk fill design. This same filter has an operating resistance of only 0.45" W.G. at 500 FPM (112 Pa at 2.54 m/sec).

This large amount of carbon assures a high removal efficiency and long service life when compared to filters with less carbon. The Tri-Sorb V is available with a large variety of medias - the standard media is granular activated carbon that has a minimum of 60% CTC activity per ASTM D-3467 test method. Other available medias include specialty impregnated carbons, potassium permanganate media or any blend of these medias.

# Tri-Sorb™ V

## Technical Data

### OPTIONAL MEDIA

- **CB** = Activated Carbon for VOC and ozone removal
- **CS** = Caustic Impregnated Carbon for acid gas removal
- **CA** = Phosphoric Acid Impregnated for removal of ammonia and amines
- **CF** = Potassium Permanganate Impregnated media for formaldehyde and acid gas removal
- **50/50** = Blended carbon and permanganate for VOC's, ozone, formaldehyde and acid gas removal

### TRI-SORB™ BULK MEDIA TECHNICAL DATA

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media	Dwell Time Seconds	CFM m <sup>3</sup> /sec	Initial Resistance	Media Weight	Total Filter Weight
24x24x12 (610x610x305)	23 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>4</sub> (594x594x286)	Granular Activated Carbon	0.098	1500 (0.71)	0.30" W.G. (75 Pa)	36 lbs. (16.3 kg)	53 lbs. (24.1 kg)
			0.074	2000 (0.94)	0.45" W.G. (112 Pa)		
12x24x12 (305x610x305)	11 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>4</sub> (289x594x286)	Granular Activated Carbon	0.084	750 (0.35)	0.27" W.G. (67 Pa)	18 lbs. (8.2 kg)	27 lbs. (12.3 kg)
			0.063	1000 (0.47)	0.45" W.G. (112 Pa)		
24x24x12 (610x610x305)	23 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>4</sub> (594x594x286)	Carbon and Potassium Permanganate Blend	0.098	1500 (0.71)	0.30" W.G. (75 Pa)	50 lbs. (22.7 kg)	72 lbs. (32.7 kg)
			0.074	2000 (0.94)	0.45" W.G. (112 Pa)		
12x24x12 (305x610x305)	11 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>4</sub> (289x594x286)	Carbon and Potassium Permanganate Blend	0.084	750 (0.35)	0.27" W.G. (67 Pa)	25 lbs. (11.4 kg)	36 lbs. (16.3 kg)
			0.063	1000 (0.47)	0.45" W.G. (112 Pa)		

Tri-Dim Filter Corporation is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.

### LOCAL REPRESENTATIVE