



**EXTENDED
SURFACE
SELF
SUPPORTED
V-CELL
BOX FILTER**

FEATURES:

- ☑ **Easy Retrofit**
- ☑ **Low Static Pressure**
- ☑ **Gas Phase 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 24x24x12 Filter**

The TRI-SORB V filter is a V-Cell Gas Phase filter that has it all - it offers a large quantity of carbon, low resistance and easy retrofit into current HVAC systems.

The 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 24x24x12 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 0.5" W.G. at 500 FPM (124 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.

APPLICATIONS

- COMMERCIAL
- AIRPORTS
- HOSPITALS
- LABORATORIES
- INSTITUTIONAL
- GOVERNMENTAL
- MICROELECTRONIC
- IAQ PROBLEMS
- INDUSTRIAL
- CASINOS
- CHEMICAL

Optional Medias

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 V Technical Data

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media	Dwell Time Seconds	CFM (m ³ /sec)	Initial Resistance	Media Weight	Total Filter Weight
24x24x12 (610x610x305)	23 ³ / ₈ x23 ³ / ₈ x11 ¹ / ₄ (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)	0.50" W.G. (124 PA)		
12x24x12 (305x610x305)	11 ³ / ₈ x23 ³ / ₈ x11 ¹ / ₄ (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)	0.50" W.G. (247 PA)		
24x24x12 (610x610x305)	23 ³ / ₈ x23 ³ / ₈ x11 ¹ / ₄ (594x594x286)	Carbon and Potassium Permanganate Blend	0.098	1500 (0.71)	0.30" W.G. (75 PA)	54 lbs. (24.5 kg)	72 lbs. (32.7 kg)
			0.074	2000 (0.94)	0.50" W.G. (124 PA)		
12x24x12 (305x610x305)	11 ³ / ₈ x23 ³ / ₈ x11 ¹ / ₄ (289x594x286)	Carbon and Potassium Permanganate Blend	0.084	750 (0.35)	0.27" W.G. (67 PA)	27 lbs. (12.3 kg)	36 lbs. (16.3 kg)
			0.063	1000 (0.47)	0.50" W.G. (247 PA)		

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice.

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