



**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 0.45” 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.

APPLICATIONS

- COMMERCIAL
- HEALTH CARE
- INDUSTRIAL PLANTS
- 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)	0.45" W.G. (112 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)	0.45" W.G. (112 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)	50 lbs. (22.7 kg)	72 lbs. (32.7 kg)
			0.074	2000 (0.94)	0.45" W.G. (112 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)	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. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation.



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