Tri-Sorb™ Carbon Pad & Die-Cut Frame Filters

FEATURES

- Available in pad or die-cut frame
- Designed to remove particulate and gaseous contaminants
- MERV 7 particulate filtration
- Three-stage filtration process
- Moisture resistant die-cut frame
- Packed in polyethylene
- Available in a 50/50 blend of carbon and impregnated alumina
- Available in five carbon loadings
- Easy retrofit into current systems

APPLICATIONS

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



TRI-SORB PADS & PANELS

Tri-Sorb filters are available in either pads, triple stage filtration and dual stage pleated configurations and are designed to remove gaseous contaminants.

Tri-Sorb pads are available in either 300 gram (3225 grams/m²) or 600 gram (6450 grams/m²) per square foot loadings. Tri-Sorb pads utilize granular activated carbon while Tri-Sorb Plus pads are a 50/50 blend of granular activated carbon and impregnated alumina. All Tri-Sorb pads are covered with netting to minimize shedding. Tri-Sorb and Tri-Sorb Plus pads are also available in die-cut frames.

Tri-Sorb three-stage filters are manufactured in a diecut frame with three stages of filtration to provide both particulate and molecular filtration. The

triple-stage filtration includes a $^{3}4''$ (19 mm) polyester prefilter for particulate control, followed by a granular activated carbon filter section. The carbon is available in 55 (590 g/m²), 200 (2150 g/m²) or 300 (3225 g/m²) grams per square foot loadings. The third stage of filtration is a media pad designed to remove any stray particulate or carbon particles.

Tri-Sorb I dual-stage pleated filters are available with 100 grams of carbon per square foot (1075 g/m²) and feature MERV 7 particulate efficiency.

Tri-Sorb Plus III filters are manufactured with the same three-stage filtration as mentioned above, but with 375 grams (4035 g/m^2) of 50/50 blend granular activated carbon and impregnated alumina.

PERFORMANCE CARBON

The Tri-Sorb line of filters is a unique blend of molecular and particulate filtration that utilizes the CarbonWeb® media in 100% granular activated carbon, a 50/50 blend of granular activated carbon and impregnated alumina to maximize the effectiveness to the broadest range of possible gaseous contaminants.

Tri-Sorb is also available with a unique triple blendgranular activated carbon, impregnated alumina and Zeolite. This triple blend offers high efficiency on the most expansive array of gaseous contaminants.



Tri-Sorb™ Technical specification

PADS

Product	Carbon Loading	Filter Thickness		Initial Resistance			
		Pad	Die cut	300 FPM	500 FPM	Carbon Type	
Tri-Sorb III	300 g/ft² (3225 g/m²)	³¼"+ (19 mm+)	⁷ / ₈ " (22 mm)	0.24 "W.G. (60 Pa)	0.38 "W.G. (95 Pa)	Granular activated carbon	
Tri-Sorb VI	600 g/ft² (6450 g/m²)	1½" + (38 mm +)	1 ³ / ₄ " (44 mm)	0.35 "W.G. (87 Pa)	0.82 "W.G. (204 Pa)	Granular activated carbon	
Tri-Sorb Plus III	375 g/ft² (4035 g/m²)	³ / ₄ "+ (19 mm +)	⁷ / ₈ " (22 mm)	0.23 "W.G. (57 Pa)	0.38 "W.G. (95 Pa)	50/50 blend	
Tri-Sorb Plus VI	750 g/ft² (8070 g/m²)	1½" + (38 mm+)	1³/4" (44 mm)	0.43 "W.G. (107 Pa)	0.82 "W.G. (204 Pa)	50/50 blend	

PANELS

Product	Carbon Loading	Filter Thickness	Initial Resistance		Final	Particulate	
			300 FPM	500 FPM	Resistance	Efficiency	Carbon Type
Tri-Sorb I Pleated	100 g/ft² (1075 g/m²)	⁷ / ₈ " (22 mm)	0.21 "W.G. (52 Pa)	0.41 "W.G. (102 Pa)	1.5 "W.G. (373 Pa)	MERV 7	Activated carbon
Tri-Sorb II Triple Stage	200 g/ft² (2150 g/m²)	1³¼" (44 mm)	0.20 "W.G. (50 Pa)	0.47 "W.G. (117 Pa)	1.2 "W.G. (299 Pa)	MERV 7	Activated carbon
Tri-Sorb III Triple Stage	300 g/ft² (3225 g/m²)	1³¼" (44 mm)	0.22 "W.G. (55 Pa)	0.52 "W.G. (129 Pa)	1.2 "W.G. (299 Pa)	MERV 7	Activated carbon
Tri-Sorb Plus III Triple Stage	375 g/ft² (4035 g/m²)	1³¼" (44 mm)	0.22 "W.G. (55 Pa)	0.52 "W.G. (129 Pa)	1.2 "W.G. (299 Pa)	MERV 7	50/50 blend

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





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