

# 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/m<sup>2</sup>) or 600 gram (6450 grams/m<sup>2</sup>) 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 die-cut frame with three stages of filtration to provide both particulate and molecular filtration. The

triple-stage filtration includes a ¾" (19 mm) polyester prefilter for particulate control, followed by a granular activated carbon filter section. The carbon is available in 55 (590 g/m<sup>2</sup>), 200 (2150 g/m<sup>2</sup>) or 300 (3225 g/m<sup>2</sup>) 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/m<sup>2</sup>) 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<sup>2</sup>) 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 blend - granular 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		Carbon Type
		Pad	Die cut	300 FPM	500 FPM	
<b>Tri-Sorb III</b>	300 g/ft <sup>2</sup> (3225 g/m <sup>2</sup> )	¾"+ (19 mm+)	⅞" (22 mm)	0.24 "W.G. (60 Pa)	0.38 "W.G. (95 Pa)	Granular activated carbon
<b>Tri-Sorb VI</b>	600 g/ft <sup>2</sup> (6450 g/m <sup>2</sup> )	1½" + (38 mm +)	1¾" (44 mm)	0.35 "W.G. (87 Pa)	0.82 "W.G. (204 Pa)	Granular activated carbon
<b>Tri-Sorb Plus III</b>	375 g/ft <sup>2</sup> (4035 g/m <sup>2</sup> )	¾"+ (19 mm +)	⅞" (22 mm)	0.23 "W.G. (57 Pa)	0.38 "W.G. (95 Pa)	50/50 blend
<b>Tri-Sorb Plus VI</b>	750 g/ft <sup>2</sup> (8070 g/m <sup>2</sup> )	1½" + (38 mm+)	1¾" (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 Resistance	Particulate Efficiency	Carbon Type
			300 FPM	500 FPM			
<b>Tri-Sorb I</b> Pleated	100 g/ft <sup>2</sup> (1075 g/m <sup>2</sup> )	⅞" (22 mm)	0.21 "W.G. (52 Pa)	0.41 "W.G. (102 Pa)	1.5 "W.G. (373 Pa)	MERV 7	Activated carbon
<b>Tri-Sorb II</b> Triple Stage	200 g/ft <sup>2</sup> (2150 g/m <sup>2</sup> )	1¾" (44 mm)	0.20 "W.G. (50 Pa)	0.47 "W.G. (117 Pa)	1.2 "W.G. (299 Pa)	MERV 7	Activated carbon
<b>Tri-Sorb III</b> Triple Stage	300 g/ft <sup>2</sup> (3225 g/m <sup>2</sup> )	1¾" (44 mm)	0.22 "W.G. (55 Pa)	0.52 "W.G. (129 Pa)	1.2 "W.G. (299 Pa)	MERV 7	Activated carbon
<b>Tri-Sorb Plus III</b> Triple Stage	375 g/ft <sup>2</sup> (4035 g/m <sup>2</sup> )	1¾" (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