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
Carbon pad and panel filters

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^2) or 600 gram (6450 grams/m^2) 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^2), 200 (2150 g/m^2) or 300 (3225 g/m^2) 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^2) 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 blend - granular activated carbon, impregnated alumina and Zeolite. This triple blend offers high efficiency on the most expansive array of gaseous contaminants.

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Tri-Sorb™
Technical specification

PADS

Product	Carbon Loading	Filter Thickness		Initial Resistance		Carbon Type
		Pad	Die cut	300 FPM	500 FPM	
Tri-Sorb III	300 g/ft² *(3225 g/m²)*	¾"+ *(19 mm+)*	⅞" *(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 +)*	1¾" *(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)*	¾"+ *(19 mm +)*	⅞" *(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+)*	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			
Tri-Sorb I Pleated	100 g/ft² *(1075 g/m²)*	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
Tri-Sorb II Triple Stage	200 g/ft² *(2150 g/m²)*	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
Tri-Sorb III Triple Stage	300 g/ft² *(3225 g/m²)*	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
Tri-Sorb Plus III Triple Stage	375 g/ft² *(4035 g/m²)*	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

MANN+HUMMEL

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