

**EXTENDED  
SURFACE  
SELF  
SUPPORTED  
RIGID BOX  
FILTER**

**FEATURES:**

- ☑ Easy Retrofit
- ☑ Low Static Pressure
- ☑ Particulate and Gas Phase Filtration
- ☑ Granular Activated Carbon
- ☑ Uniform Carbon Distribution
- ☑ Available with and without a Header
- ☑ Available in 50/50 Blend
- ☑ High First Pass Efficiency
- ☑ Long Service Life
- ☑ Reduced Shedding

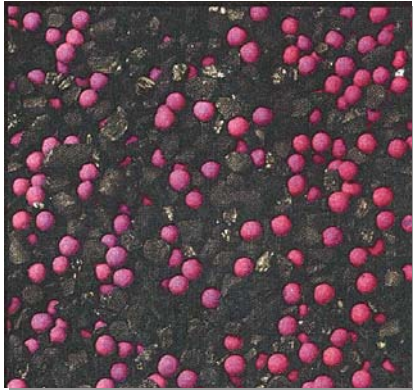
Scientific studies show that Indoor Air Quality is among the Top 5 environmental problems in the world. Most people spend 90% of their time indoors and indoor air contains 2 to 5 times more harmful pollutants when compared to outdoor air. Synthetic materials and cleaning solutions can raise the level of indoor air pollutants to over 100 times outside levels – thus the need for Tri-Dim's TRI-SORB R.

TRI-SORB R offers both gas phase and particulate filtration and offers easy retrofit into existing systems. TRI-SORB R is offered in both a metal no header version (*see photo above left*) and a metal single header version - this allows for easy interchange with current filters without the costly retrofit of HVAC system.

The TRI-SORB R filter utilizes the CarbonWeb® media that allows for uniform distribution of the granular activated carbon. This combined with the high activity of the carbon and the high carbon loading, 7 pounds (3.2 KG) per 24x24x12 (610x610x305 mm) filter, allows for unparalleled 'First Pass' efficiency on a broad spectrum of Airborne Molecular Contamination (AMC).

The extended surface of the TRI-SORB R allows for a long service life and low resistance. The TRI-SORB R also features a low initial resistance, 0.43" W.G. (107 PA). This low resistance enhances the ability to easily retrofit with other filtration products. In addition, the low resistance leads to energy savings.

Tri-Dim's TRI-SORB R is also available with a 50/50 blend of granular activated carbon and impregnated alumina. This blend offers a greater level of effectiveness across a very wide range of Airborne Molecular Contamination (AMC).



Granulated Activated Carbon and Impregnated Alumina Blend

## APPLICATIONS

- COMMERCIAL
- HEALTH CARE
- INDUSTRIAL PLANTS
- LABORATORIES
- INSTITUTIONAL
- GOVERNMENTAL
- MICROELECTRONIC
- IAQ PROBLEMS

CONTAINS  
**CARBONWEB®**  
FLEXIBLE CARBON FILLED FIBERS  
Patent Number 6,878,193

## TRI-SORB™ R Technical Data

### No Header Version

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media Area Ft <sup>2</sup> (m <sup>2</sup> )	Initial 300 FPM	Resistance 500 FPM	Carbon Weight	Final Resistance
24x24x12 (610x610x305)	23 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (594x594x292)	58.08 (5.40)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	7.7 lbs. (3.5 kg)	1.5" W.G. (373 PA)
20x24x12 (508x610x305)	19 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (492x594x292)	47.83 (4.44)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	6.2 lbs. (2.8 kg)	1.5" W.G. (373 PA)
20x20x12 (508x508x305)	19 <sup>3</sup> / <sub>8</sub> x19 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (492x492x292)	39.88 (3.70)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	5.1 lbs. (2.3 kg)	1.5" W.G. (373 PA)
12x24x12 (305x610x305)	11 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (289x594x292)	28.70 (2.67)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	3.8 lbs. (1.7 kg)	1.5" W.G. (373 PA)

### Single Header Version

Nominal Size Inches (mm)	Exact Size Inches (mm)	Media Area Ft <sup>2</sup> (m <sup>2</sup> )	Initial 300 FPM	Resistance 500 FPM	Carbon Weight	Final Resistance
24x24x12 (610x610x305)	23 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (594x594x292)	55.66 (5.17)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	7.4 lbs. (3.4 kg)	1.5" W.G. (373 PA)
20x24x12 (508x610x305)	19 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (492x594x292)	47.83 (4.44)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	6.2 lbs. (2.8 kg)	1.5" W.G. (373 PA)
20x20x12 (508x508x305)	19 <sup>3</sup> / <sub>8</sub> x19 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (492x492x292)	39.86 (3.70)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	5.1 lbs. (2.3 kg)	1.5" W.G. (373 PA)
12x24x12 (305x610x305)	11 <sup>3</sup> / <sub>8</sub> x23 <sup>3</sup> / <sub>8</sub> x11 <sup>1</sup> / <sub>2</sub> (289x594x292)	28.70 (2.67)	0.17" W.G. (42 PA)	0.43" W.G. (107 PA)	3.5 lbs. (1.6 kg)	1.5" W.G. (373 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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