

**GAS PHASE  
AND  
PARTICULATE  
PLEATED  
FILTER**



**FEATURES:**

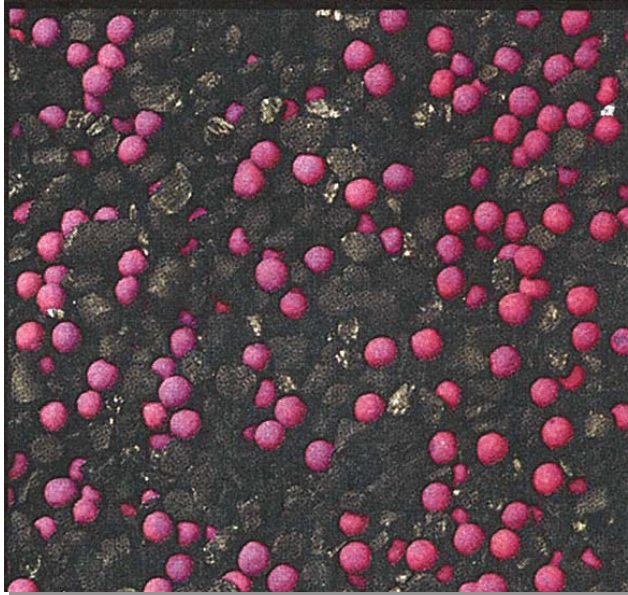
- ☑ **50/50 Blend of Carbon and Alumina**
- ☑ **Designed to Remove Particulate and Gas Phase Contaminants**
- ☑ **MERV 7 Particulate Filtration**
- ☑ **Easy Retrofit into Current Systems**
- ☑ **Available in 1", 2" and 4"**
- ☑ **Fits in Side, Front or Rear Access Housings**
- ☑ **Extended Surface Area**
- ☑ **Moisture Resistant Die-Cut Frame**
- ☑ **Packed in Polyethylene**

Gas Phase filtration is typically an after thought – situations arise that were not planned for in the original HVAC system. This puts a premium on the ability to easily retrofit without expensive and messy construction projects. This cannot be achieved unless you can achieve both gas phase and particulate filtration in the same filter ... TRI-SORB 50/50 is the solution.

TRI-SORB 50/50 is a unique blend of gas phase and particulate filtration that utilizes the CarbonWeb® media in a 50/50 blend of granular activated carbon and impregnated alumina to maximize the effectiveness of the broadest range of possible gas phase contaminants. The synthetic prefilter layer removes particulate at MERV 7 efficiency levels.

TRI-SORB 50/50 allows for easy retrofit into current HVAC systems and is available in 1", 2" and 4" depths with a wide variety of standard and special sizes to fit any application. TRI-SORB 50/50 will fit into any side access housings and all holding frames – both front and rear access.

TRI-SORB 50/50 utilizes an extended surface design to maximize particulate and gas phase efficiency and to minimize operating resistance. Resistance for a 2" (51 mm) deep TRI-SORB 50/50 is only 0.36" W.G. (90 PA) at 500 FPM (2.54 m/sec). The TRI-SORB 50/50 also features a moisture resistant die-cut frame.



Granulated Activated Carbon and Impregnated Alumina Blend

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

## APPLICATIONS

- COMMERCIAL
- HEALTH CARE
- INDUSTRIAL PLANTS
- LABORATORIES
- INSTITUTIONAL
- GOVERNMENTAL
- DISASTER REMEDIATION
- IAQ PROBLEMS
- MORTUARIES
- PET ODORS
- BEAUTY SHOPS

**SCIENTISTS TELL US THAT INDOOR AIR POLLUTION IS AMONG THE TOP 5 ENVIRONMENTAL PROBLEMS IN THE WORLD.**

Most people spend up to 90% of their time indoors. Under normal conditions, indoor air contains 2 to 5 times more harmful particles than outdoor air, while the use of synthetic materials and chemical cleaning products can raise the level of indoor pollutants to over 100 times greater than those found outdoors. At the same time, today's "tight" buildings permit less fresh air to enter, thereby permitting the concentration of pollutants to rise dramatically.

## TRI-SORB™ 50/50 Technical Data

| Product        | GAC Wt. Grams  | Nominal Thickness         | Initial 300 FPM            | Resistance 500 FPM          | MERV Rating | Particulate Capacity | Final Resistance           |
|----------------|--|---------------------------|----------------------------|-----------------------------|-------------|----------------------|----------------------------|
| Tri-Sorb 50/50 | <b>300 Ft<sup>2</sup></b><br>(3228 gr/m <sup>2</sup> ) | <b>4 inch</b><br>(102 mm) | <b>0.15" W.G.</b><br>37 PA | <b>0.30" W.G.</b><br>75 PA  | 7           | 287 grams            | <b>1.5" W.G.</b><br>373 PA |
| Tri-Sorb 50/50 | <b>200 Ft<sup>2</sup></b><br>(2152 gr/m <sup>2</sup> ) | <b>2 inch</b><br>(51 mm)  | <b>0.16" W.G.</b><br>40 PA | <b>0.36" W.G.</b><br>90 PA  | 7           | 141 grams            | <b>1.5" W.G.</b><br>373 PA |
| Tri-Sorb 50/50 | <b>100 Ft<sup>2</sup></b><br>(807 gr/m <sup>2</sup> )  | <b>1 inch</b><br>(25 mm)  | <b>0.21" W.G.</b><br>52 PA | <b>0.41" W.G.</b><br>102 PA | 7           | 98 grams             | <b>1.5" W.G.</b><br>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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BROCHURE #2000-6  
 Revision: 12/05