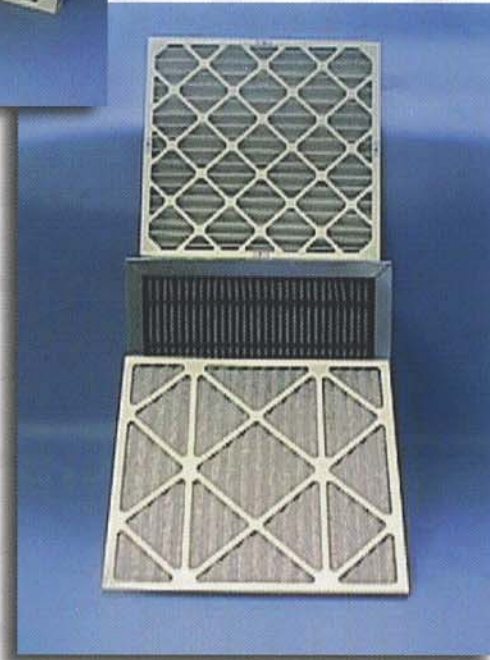
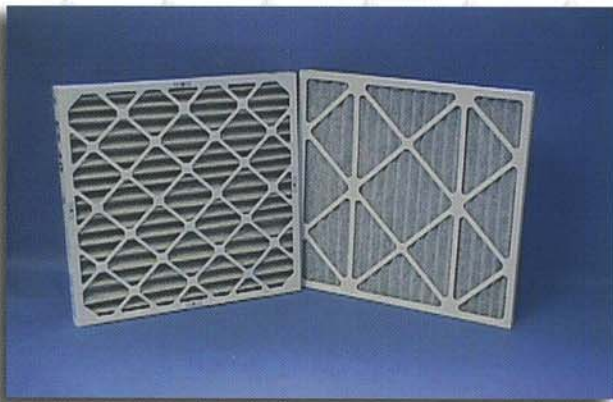
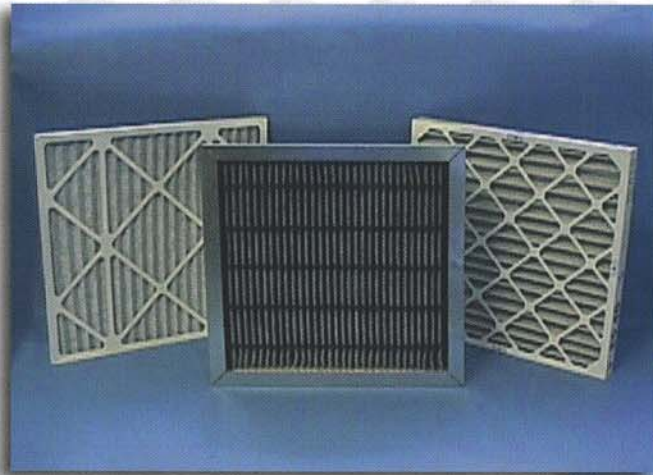
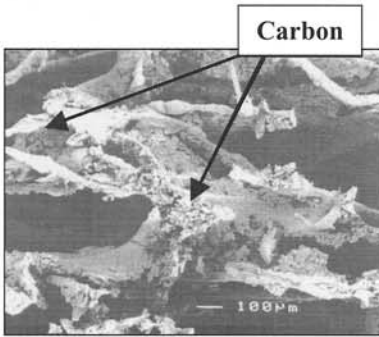


When Clean Air is CRITICAL

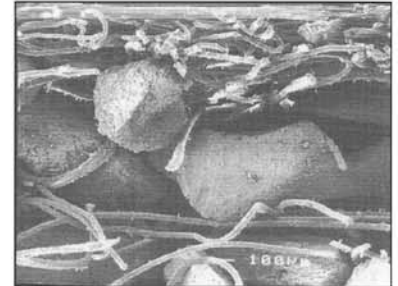


MEDIA



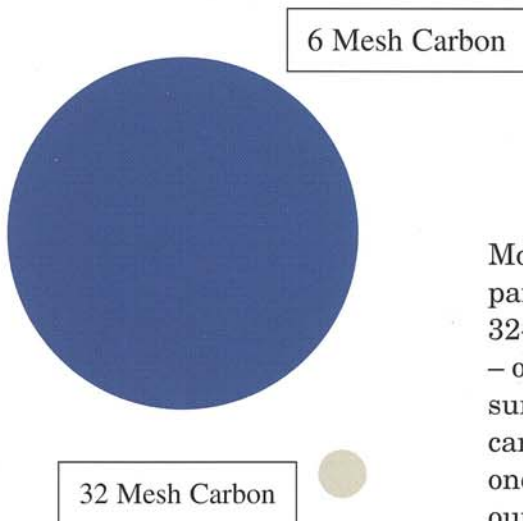
Slurry Media

“Typical” carbon pleats use a slurry media that mixes adhesive and carbon dust to a cotton/polyester media. The result is shown in the picture on the left. As you can see very little of the carbon is exposed – due to the adhesive – thus, it is very limited in the amount of gases it can capture.



Extended Life Media

Our new “Extended Life” media uses fiber-to-carbon bonding that requires no adhesive. This allows virtually the entire carbon surface to be available to capture gases – see photo on right. In addition our media is a combination media that offers excellent particulate efficiency.



CARBON MESH SIZE

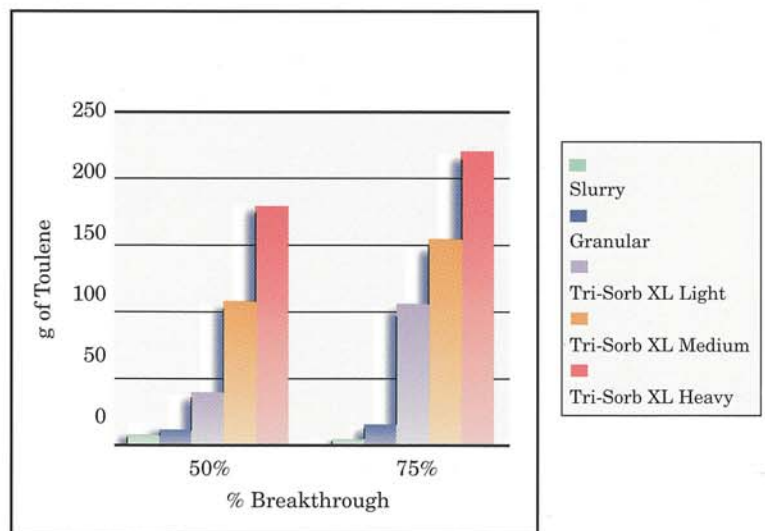
Most ‘high-level’ carbon filters contain granular carbon that is 6-mesh particle size (3.35 mm); our extended life media utilizes carbon that is 32-mesh (0.165 mm) in size. If you think bigger is better consider this – on a penetration of 5% only 27% of the 6-mesh carbon volume is consumed on our 32-mesh carbon the same penetration equals 96% of the carbon used. It takes more than 300 of the 32-mesh particles to equal one 6-mesh – this gives you 6x the outside surface area, which makes our extended life media more effective.

RESULTS

Simply put the bottom line is performance. How much of your VOCs/odors do you want to remove, a good target would be 50% removal, also called a breakthrough point. True carbon filter life is measured not by the weight of the carbon in the filter but by the quantity of gases a filter can remove before reaching the breakthrough point.

As you can see in the graph on the right at both 50 and 75% breakthrough Tri-Dim’s new extended life media dramatically outperforms traditional slurry and granular medias.

In addition to longer life our combination media offers MERV 6 performance on particulate.



Available in 3 grades

Light Grade –

for light industrial or commercial applications
Available in 1" or 2"

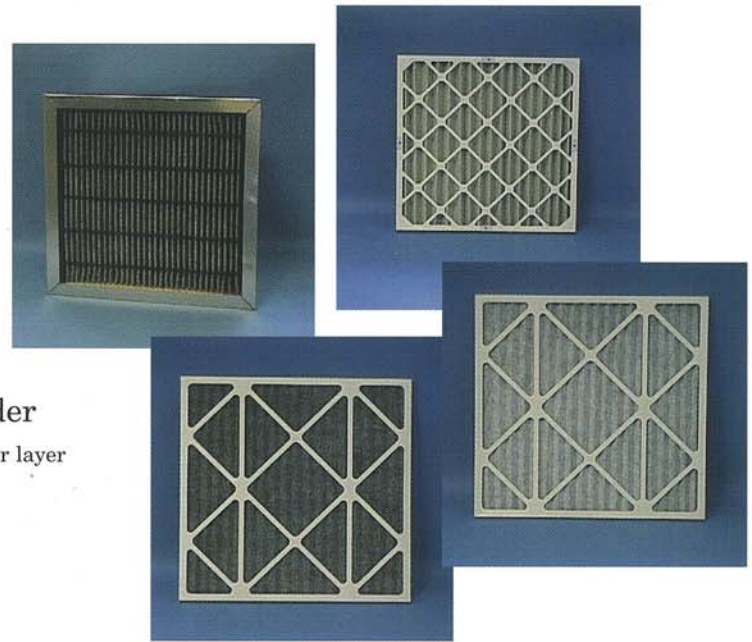
Medium Grade –

for industrial or heavy commercial applications
Available only in 2"

Heavy Duty Grade –

for heavy industrial applications
Available in a 2" and 12"
12" Filter Available in Single and Double Header

Note that the 12" filter does not have the MERV 7 particulate prefilter layer



Grade	Size Nominal (in.)	Recommended Airflow CFM	Media Area ft ²	MERV ASHRAE 52.2
Light	12x24x1	600	3.8	MERV 6
	16x20x1	670	4.2	MERV 6
	16x25x1	830	5.3	MERV 6
	20x20x1	830	5.3	MERV 6
	20x25x1	1040	6.6	MERV 6
	24x24x1	1200	7.6	MERV 6
	12x24x2	1000	6.0	MERV 6
	16x20x2	1110	6.4	MERV 6
	16x25x2	1400	8.1	MERV 6
	18x24x2	1500	8.9	MERV 6
	20x20x2	1400	8.4	MERV 6
	20x24x2	1650	10.1	MERV 6
	20x25x2	1750	10.5	MERV 6
24x24x2	2000	11.9	MERV 6	
Medium	12x24x2	1000	6.0	MERV 6
	16x20x2	1110	6.4	MERV 6
	16x25x2	1400	8.1	MERV 6
	18x24x2	1500	8.9	MERV 6
	20x20x2	1400	8.4	MERV 6
	20x24x2	1650	10.1	MERV 6
	20x25x2	1750	10.5	MERV 6
24x24x2	2000	11.9	MERV 6	
Heavy Duty	12x24x2	1000	8.4	MERV 6
	16x20x2	1110	8.8	MERV 6
	16x25x2	1400	11.3	MERV 6
	18x24x2	1500	11.9	MERV 6
	20x20x2	1400	11.3	MERV 6
	20x24x2	1650	13.7	MERV 6
	20x25x2	1750	14.2	MERV 6
	24x24x2	2000	16.0	MERV 6
	12x24x12	1000	46	–
	20x24x12	1650	85	–
	24x24x12	2000	104	–

Tri-Dim's distributor network and factory direct sales staff work hard to provide solutions to some of today's toughest problems; how to protect people, product and process from the multitude of airborne contaminants that we come into contact with daily.

We are committed to provide state-of-the-art air filter products supported with research and development and a highly trained national sales team providing prompt service to all.

TRI-DIM'S FACTORY ASHRAE TEST EQUIPMENT

Tri-Dim's comprehensive testing programs and rigorous factory standards provide assurance that all products produced meet industry standards. Our testing laboratories are key to our continual research and development programs.

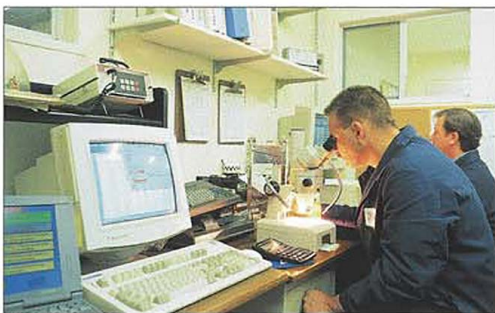


IN-HOUSE EDUCATION SEMINARS

Designed to assist in training maintenance personnel and to update staff on regulations and development in an ever changing industry, Tri-Dim provides an ongoing program of technical seminars.

IN-HOUSE AIR QUALITY SURVEYS

To assure proper air filtration standards are met and to point out potential problems, Tri-Dim provides no-cost in-house air filtration surveys & evaluations.



QUALITY CONTROL

Tri-Dim's quality control procedures insure consistent product quality. Tri-Dim's goal is **Total Customer Satisfaction**.

TRI-DIM
FILTER CORPORATION

TRI-DIM™ Filter Corporation

93 Industrial Drive, Louisa, VA 23093

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