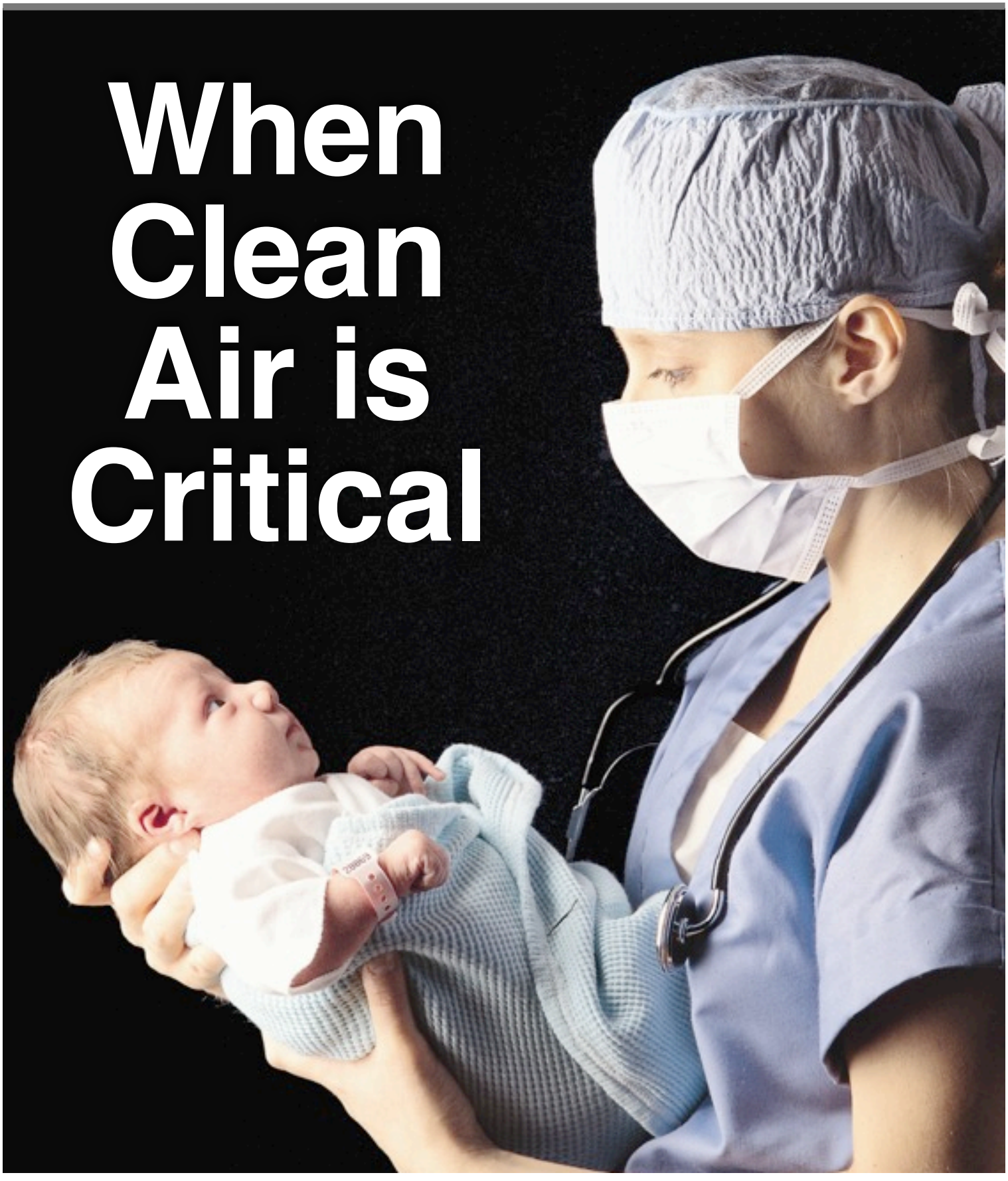
TRI DIM FILTER CORPORATION

SYN-PAC XLII

High Efficiency Hybrid Media Bag Filters

When Clean Air is Critical

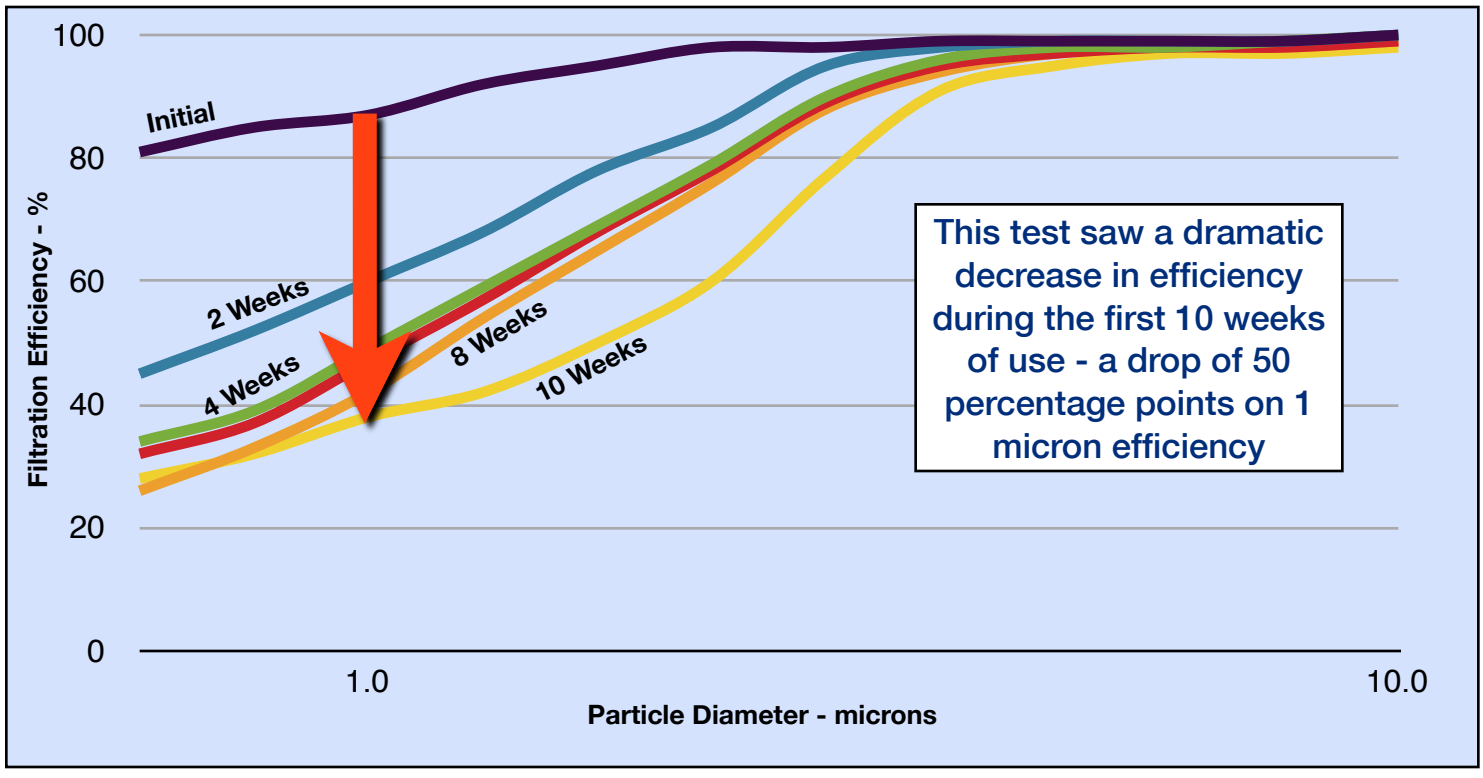


PROBLEM

Current extended surface pocket style filtration medias are not functionally acceptable in areas where clean air is a critical concern.

Many synthetic medias lose the ability to eliminate target particulate after relatively brief exposure to ambient air. Numerous studies have documented this efficiency loss (see graph below) and ASHRAE has added Appendix J to their Test Standard 52.2 to address this phenomenon.

High Efficiency Filter Exposed to Ambient Air

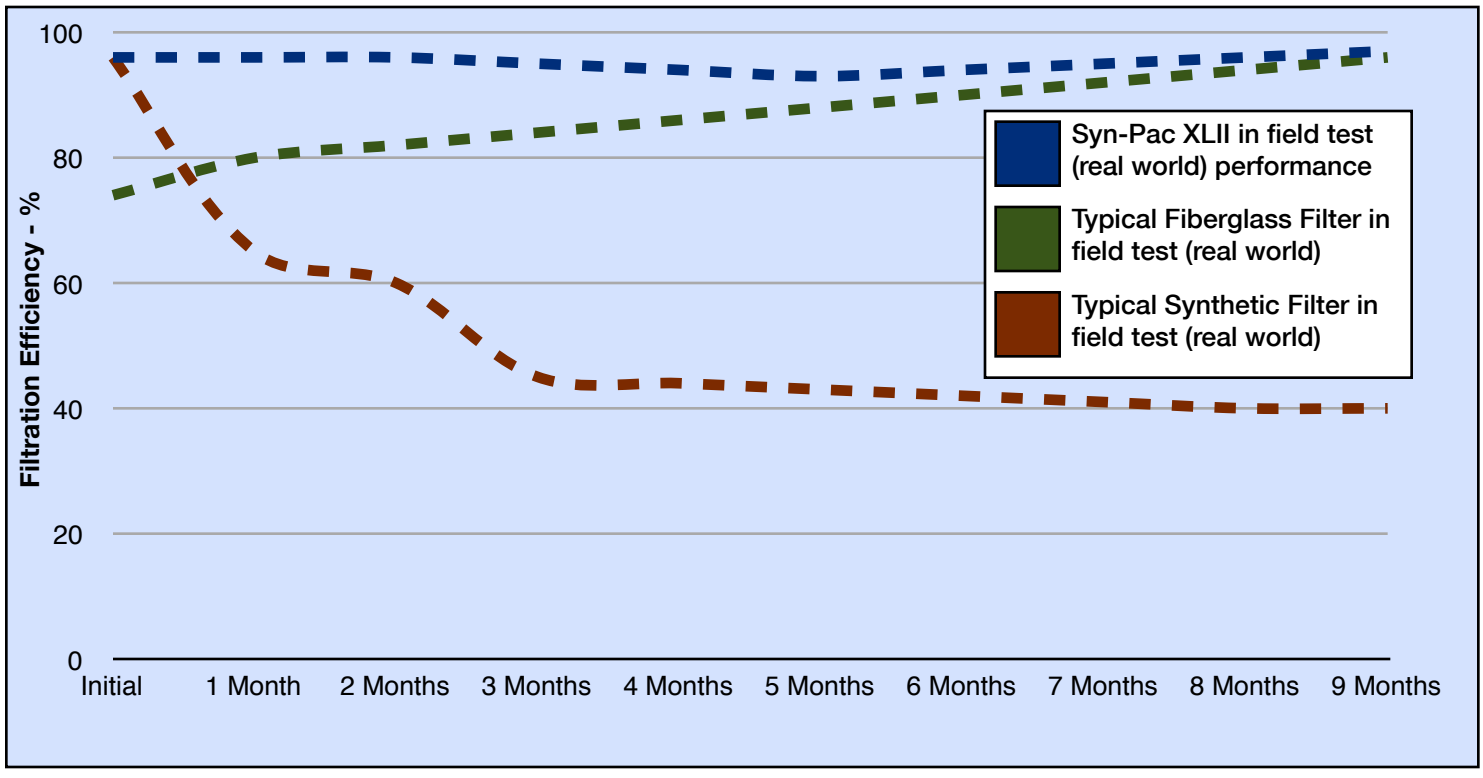


SOLUTION

The SYN-PAC XLII has been engineered and is manufactured to capture and retain target particulate.

Tri-Dim Filter Corporation's sensitivity to customer concerns and actual in-use air quality analysis led to the development of the SYN-PAC XLII product line. At Tri-Dim we are dedicated to providing clean air products that will perform in the laboratory and in real world applications.

Real World Test of Various Filters



SPECIFICATIONS

MEDIA

Hybrid

HEADER

13/16” GALVANEAL
Optional Extruded Aluminum

EFFICIENCY

90-95% = MERV 16
80-85% = MERV 15
60-65% = MERV 12

INITIAL BIOAEROSOL REMOVAL EFFICIENCY

MERV 16 Media Tested
98.19% on *Micrococcus luteus*

TEMPERATURE LIMIT

Maximum **150-175° F** *(65-79° C)*

FINAL RESISTANCE

1.50”W.G. *(373 PA)*

SQUARE FEET OF MEDIA

24x24x22 8 Pocket *610x610x559*	**58 sq. ft.** *5.4 m²*
12x24x22 4 Pocket *305x610x559*	**29 sq. ft.** *2.7 m²*
24x24x26 8 Pocket *610x610x660*	**69 sq. ft.** *6.4 m²*
12x24x26 4 Pocket *305x610x660*	**35 sq. ft.** *3.3 m²*
24x24x30 8 Pocket *610x610x762*	**80 sq. ft.** *7.4 m²*
12x24x30 4 Pocket *305x610x762*	**40 sq. ft.** *3.7 m²*
24x24x36 8 Pocket *610x610x914*	**96 sq. ft.** *8.9 m²*
12x24x36 4 Pocket *305x610x914*	**48 sq. ft.** *4.5 m²*

Please note that other sizes, depths and pocket combinations are available. Filter depth is measured from the front of the header to the end of the pocket, excluding hoops. Depth dimensions have a ± ½” tolerance.

OPTIONS

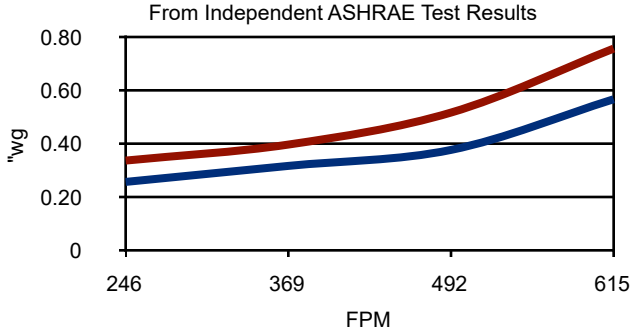
GPA Adaptor – Syn-Pac XLII Bag Filters come with the option of a GPA Header to allow for easy, time saving installation into Glide/Pack® housings.

Gasketing – Charcoal Ether Foam Gasketing is available on vertical sides, horizontal sides, upstream face or downstream face of header.

RESISTANCE TO AIRFLOW MERV 12 AND MERV 15

24x24x30 8-Pocket

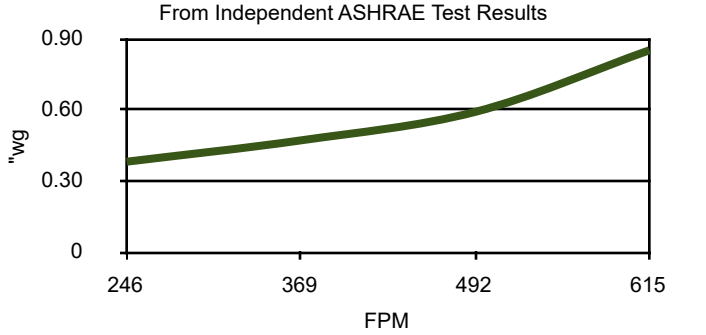
From Independent ASHRAE Test Results



RESISTANCE TO AIRFLOW MERV 16

24x24x30 8-Pocket

From Independent ASHRAE Test Results



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NAFA National Air Filtration Association