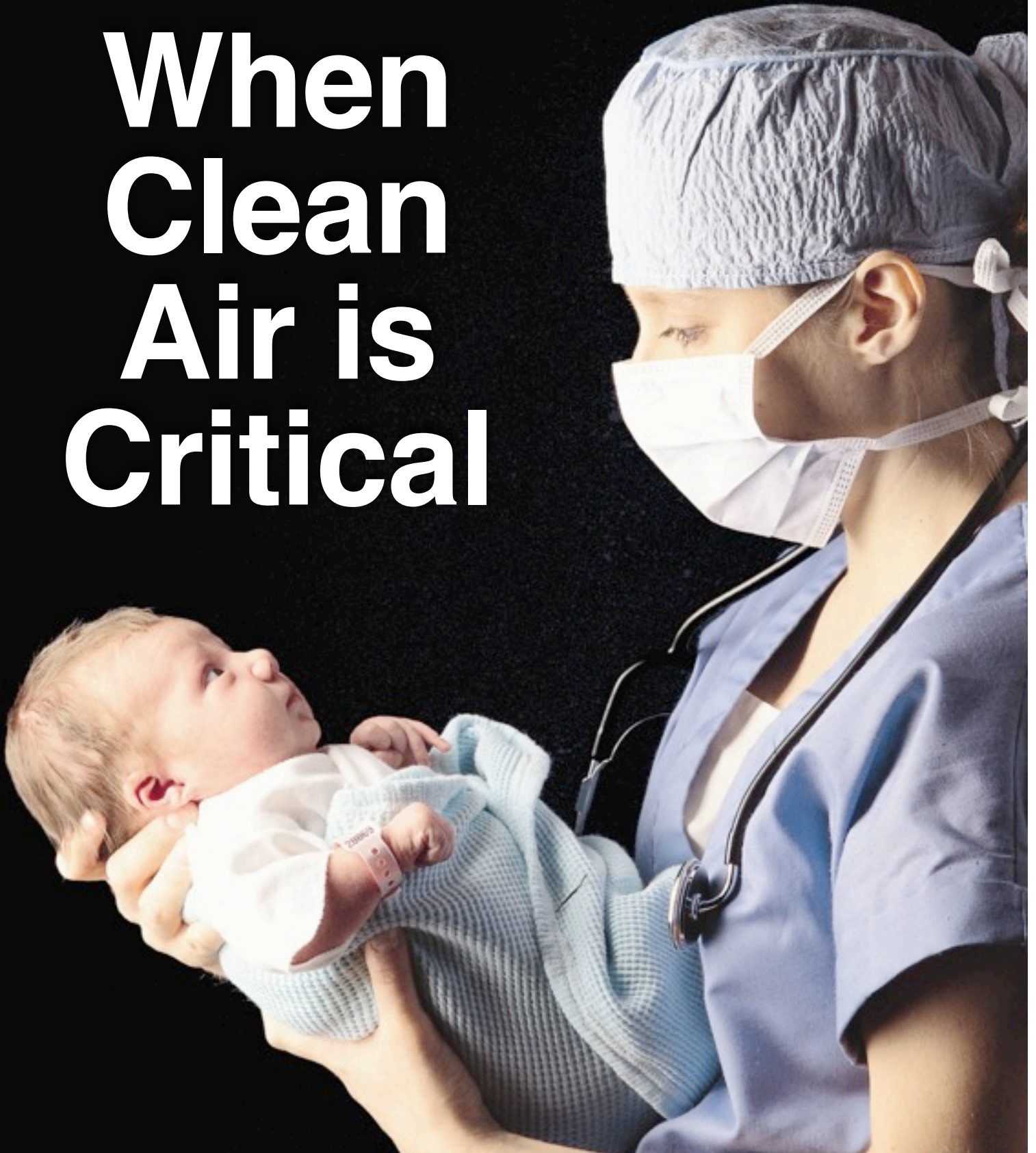


**When  
Clean  
Air is  
Critical**



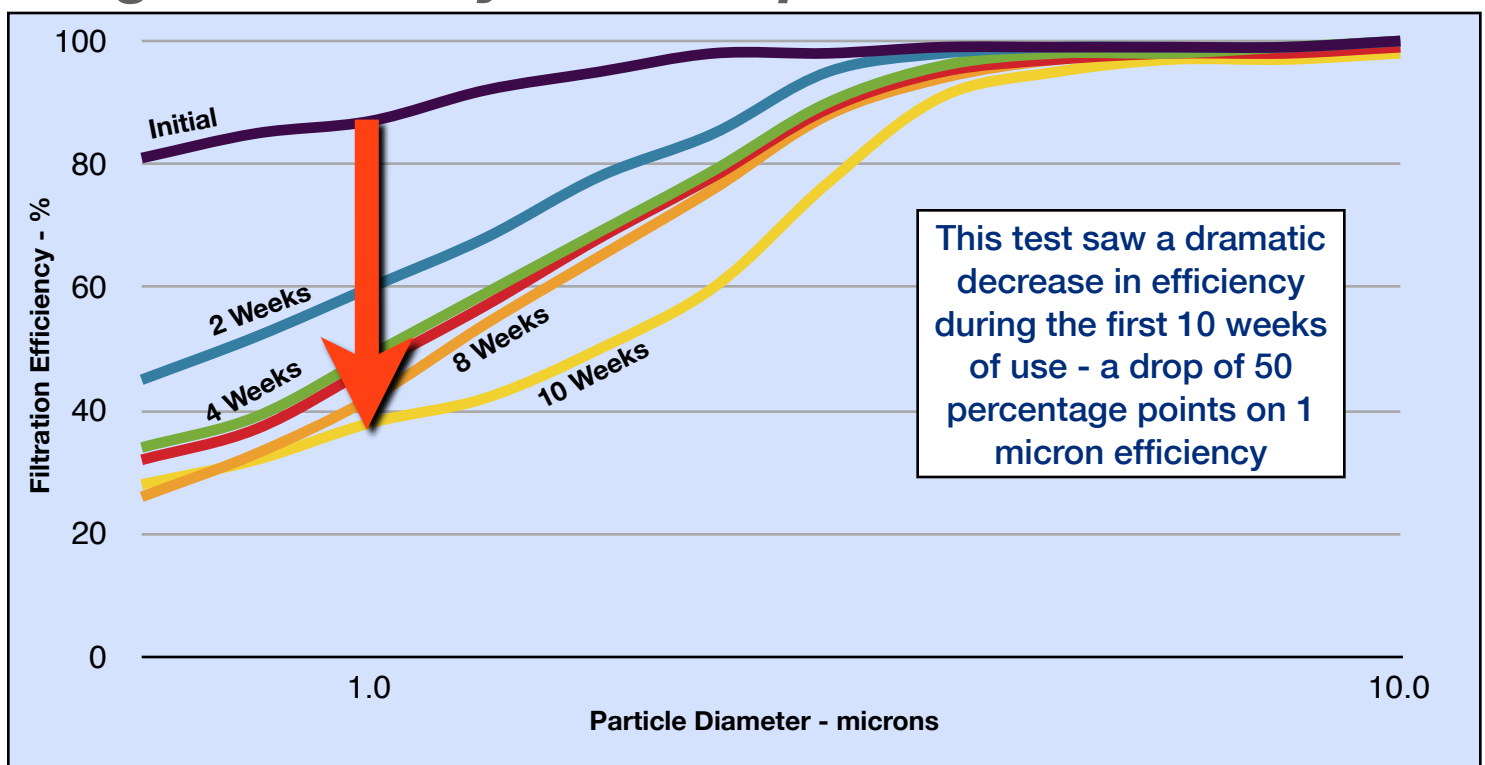
# PROBLEM



*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*



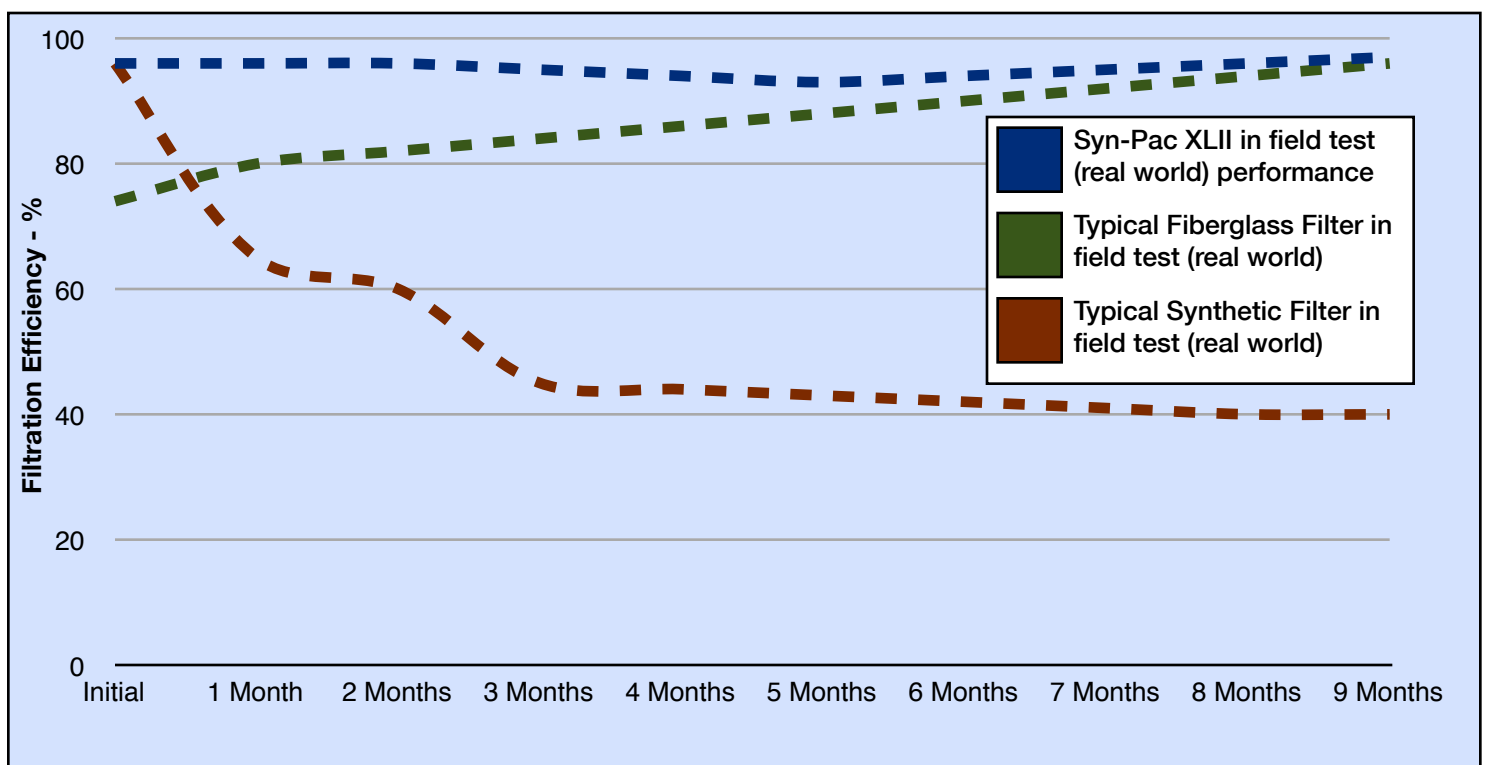
# SOLUTION

***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

<b>24x24x22 8 Pocket</b> 610x610x559	<b>58 sq. ft.</b> 5.4 m <sup>2</sup>
<b>12x24x22 4 Pocket</b> 305x610x559	<b>29 sq. ft.</b> 2.7 m <sup>2</sup>
<b>24x24x26 8 Pocket</b> 610x610x660	<b>69 sq. ft.</b> 6.4 m <sup>2</sup>
<b>12x24x26 4 Pocket</b> 305x610x660	<b>35 sq. ft.</b> 3.3 m <sup>2</sup>
<b>24x24x30 8 Pocket</b> 610x610x762	<b>80 sq. ft.</b> 7.4 m <sup>2</sup>
<b>12x24x30 4 Pocket</b> 305x610x762	<b>40 sq. ft.</b> 3.7 m <sup>2</sup>
<b>24x24x36 8 Pocket</b> 610x610x914	<b>96 sq. ft.</b> 8.9 m <sup>2</sup>
<b>12x24x36 4 Pocket</b> 305x610x914	<b>48 sq. ft.</b> 4.5 m <sup>2</sup>

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 ± 1/2" 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.

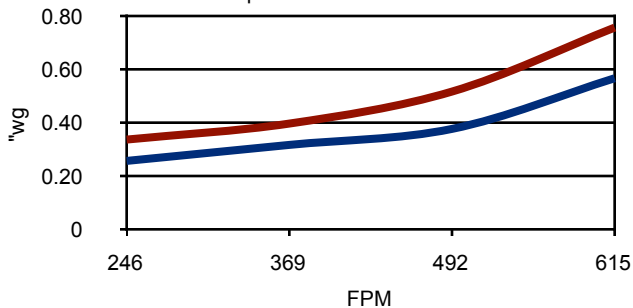
**Gasketing – Charcoal Ether Foam** Gasketing is available on vertical sides, horizontal sides, upstream face or downstream face of header.

## RESISTANCE TO AIRFLOW

### MERV 12 AND MERV 15

#### 24x24x30 8-Pocket

From Independent ASHRAE Test Results

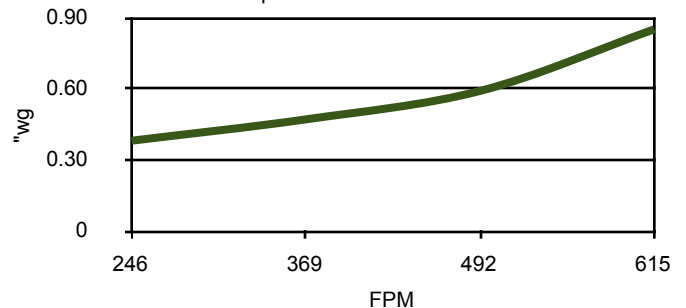


## RESISTANCE TO AIRFLOW

### MERV 16

#### 24x24x30 8-Pocket

From Independent ASHRAE Test Results



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. Tri-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation.



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