

SYN-PAC XLII
High Efficiency
Hybrid Bag Filter

SYN-PAC XLII

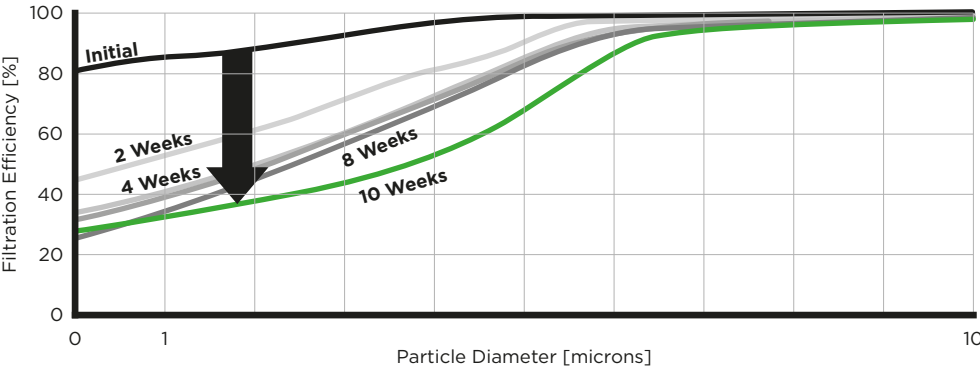
When Clean Air is Critical



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



**THIS TEST SAW A
DRAMATIC DECREASE IN
EFFICIENCY DURING THE
FIRST 10 WEEKS OF USE -
A DROP OF 50 PERCENTAGE
POINTS ON
1 MICRON EFFICIENCY**

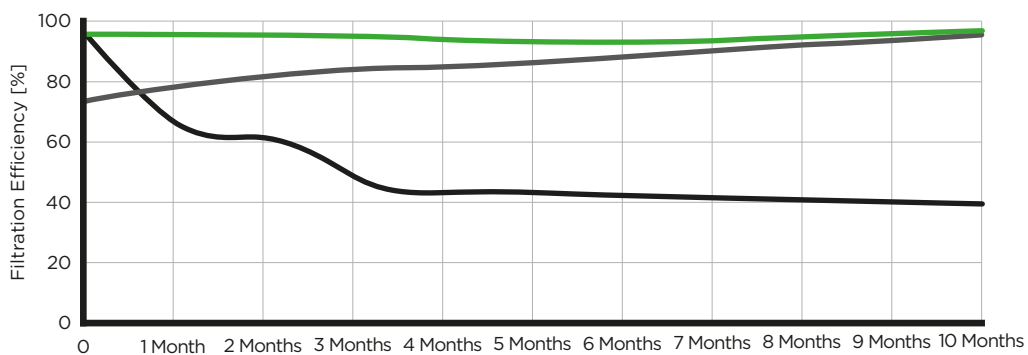


The SYN-PAC XLII
has been engineered and is manufactured to capture and retain target particulate.

SOLUTION

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



- Syn-Pac XLII in field test (real world) performance
- Typical Fiberglass Filter in field test (real world)
- Typical Synthetic Filter in field test (real world)

SYN-PAC XLII

Technical Data

SPECIFICATIONS

Specifications	SYN-PAC XLII
Media	Hybrid
Header	13/16" Galvaneal (Optional: Extruded Aluminum)
Final Resistance	1.50" W.G. (373 PA)
Efficiency	90-95% = MERV 16 80-85% = MERV 15 60-65% = MERV 12
Temperature Limit	Maximum 150-175°F (65-79°C)
Initial Bioaerosol Removal Efficiency	MERV 16 Media Tested 98.19% on <i>Micrococcus luteus</i>

SQUARE FEET OF MEDIA

Pocket size in inches (mm)	Pockets	Head Top Row in square feet (m ²)
24x24x22 (610x610x559)	8	58 (5.4)
12x24x22 (305x610x559)	4	29 (2.7)
24x24x26 (610x610x660)	8	69 (6.4)
12x24x26 (305x610x660)	4	35 (3.3)
24x24x30 (610x610x762)	8	80 (7.4)
12x24x30 (305x610x762)	4	40 (3.7)
24x24x36 (610x610x914)	8	96 (8.9)
12x24x36 (305x610x914)	4	48 (4.5)

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.

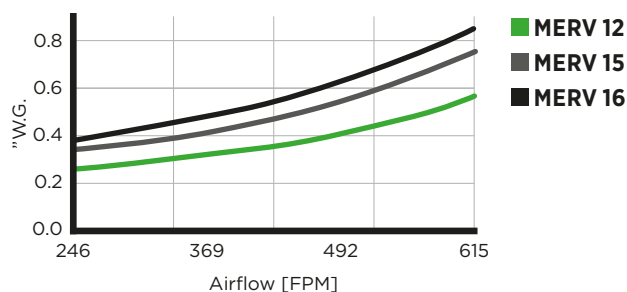
Tri-Dim Filter Corporation is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.

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.

24X24X30 8-POCKET

Resistance to Airflow



LOCAL REPRESENTATIVE