



SYN-PAC A
High Efficiency
Synthetic Bag
Filters

SYN-PAC A

Extended Surface

Pocket Filters



EXTENDED SERVICE LIFE

SYN-PAC A features an extended service life when compared to other synthetic bag filters. This longer service life is produced from the Dual Stage SYN-PAC media. The media was engineered for extreme dust holding characteristics. The more dust a filter can hold the longer the service life the filter will have.

The true cost of a filter is not the initial purchase price, but is in efficiency, service life, energy consumption, etc. The increased service life offers a huge financial payback - saving money on freight, handling, change-out labor, filter purchases, procurement cost, disposal cost, and more.

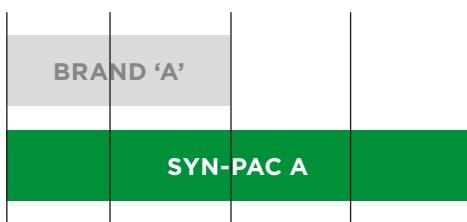
MEDIA - DUAL STAGE

SYN-PAC A Pocket Filters use an exclusive combination of two layers of synthetic media. This combination of media allows the SYN-PAC A to outperform other synthetic bag filters.

The SYN-PAC medias consist of a prefilter layer that allows for management of the dirt load by capturing larger particulate. This filtering of larger particles protects the second high efficiency media by removing particles that would clog the media and substantially shorten the service life. SYN-PAC's media arrangement also allows for high efficiency – up to MERV 15.

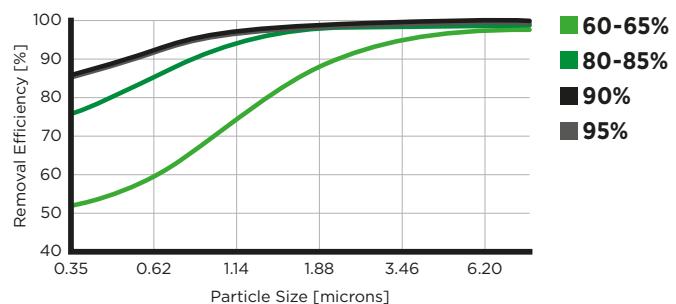
DIRT HOLDING

Comparison



MINIMUM EFFICIENCY BY PARTICLE SIZE

per ASHRAE Standard 52.2-1999



EFFICIENCY OPTIONS

SYN-PAC A Bag Filters are offered in a wide range of efficiencies – these include 60-65% (MERV 12), 80-85% (MERV 14), 90% (MERV 15) and 95% (MERV 15). The SYN-PAC 95% version offers the highest level of particle removal at a low resistance – greater than 97% initial efficiency of 1 micron sized particles with only 0.34" W.G. (85 PA) of resistance for a 24x24x30 8 pocket configuration.

FILTER CONSTRUCTION

Tri-Dim's SYN-PAC A Bag Filters are constructed in a controlled environment with the highest level of quality. The pocket seams are sealed with an adhesive to ensure no leakage and to minimize the surface area lost due to pocket construction.

The pockets are secured to double turned galvanized hoops that are secured to a roll formed header. This process prevents the bypass of unfiltered air and adds rigidity.

ADDITIONAL OPTIONS

ALUMINUM HEADER – SYN-PAC A filters are offered in an extruded aluminum header that will not rust.

CUSTOM SIZES - In addition to the 41 standard sizes, SYN-PAC A is available in virtually any combination of height, width, depth and number of pockets. There are some restrictions so please consult with the factory for availability.

ANTIMICROBIAL - SYN-PAC A comes with an optional antimicrobial treatment that is EPA registered. The antimicrobial is effective by inhibiting the growth of a large variety of micro-organisms including bacteria and fungi.

WIRE SUPPORT - The wire support (see photo – right) option allows for the continual support of the pockets by a series of wires attached to the back of the pockets and to the bottom of the header.

SYN-PAC A

Technical Data

SPECIFICATIONS

| Efficiency | ASHRAE 52.1 Dust Spot Average | ASHRAE 52.2 |
|------------|----------------------------------|-------------------|
| 60-65% | 64% | MERV 12 @ 492 fpm |
| 80-85% | 80% | MERV 14 @ 492 fpm |
| 90% | 94% | MERV 15 @ 492 fpm |
| 95% | 97% | MERV 15 @ 492 fpm |

Temperature Limit: Maximum 140° F (60° C) Constant

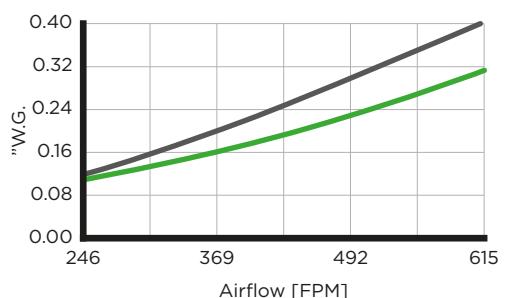
Final Resistance: 1.50" W.G. (373 PA)

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

Optional 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



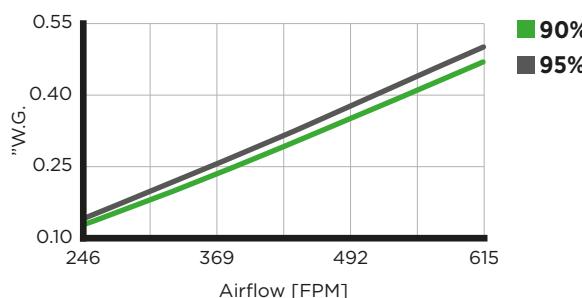
SQUARE FEET OF MEDIA

| Filter size in inches (mm) | Pockets | Head Top Row Sq Ft (m^2) of Media |
|-------------------------------|---------|------------------------------------------|
| 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 ± ½" tolerance.

24X24X30 8-POCKET

Resistance to Airflow



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.

LOCAL REPRESENTATIVE



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Flow Resistance from
Independent ASHRAE Test Results.