

ULTRA XP BAG

TRI  DIM
FILTER CORPORATION

ultra  xp
ULTRA HIGH EFFICIENCY



UNMATCHED PERFORMANCE

ULTRA XP BAG

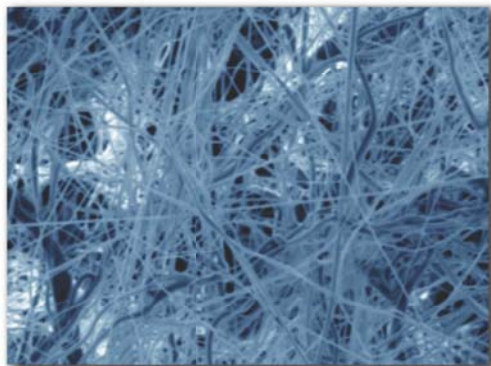
ultra^{XP}

**Ultra High Efficiency
Low Pressure Drop
Extended Surface Bag**



ULTRA XP - simply the Best-in-Class

The ULTRA XP Extended Surface Bag filter offers superior performance.



ULTRA MEDIA - The ULTRA XP utilizes the tough, durable ULTRA Media - now available in an extended surface bag filter configuration. The ULTRA media has proven to be strong and durable through various field trials and a multitude of test run to confirm the ULTRA medias

strength. The ULTRA media is also resistant to UL Light exposure.

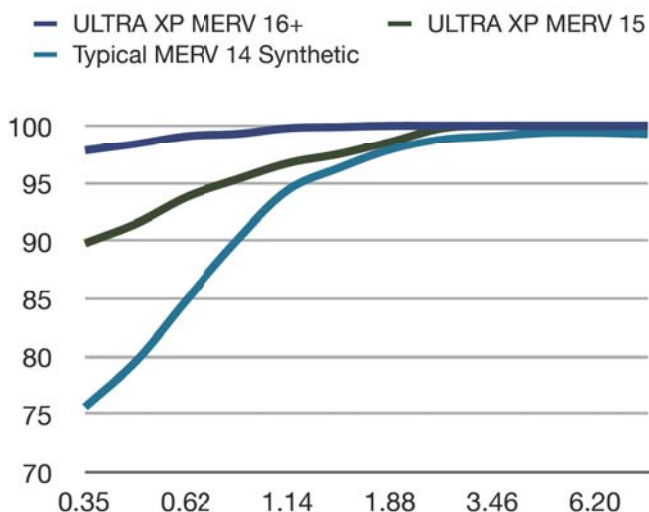
CONSTRUCTION - The ULTRA XP is constructed in a controlled environment with the highest level of quality. The pockets are sealed to provide maximum strength and aerodynamic channels inside the pockets ensure proper inflation of pockets and to maximize the media's utilization.



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. Tri-Dim's manufacturing process ensures the highest quality product.



PERFORMANCE



The efficiencies left show exceptional efficiency - the MERV 16+ Bag shows near HEPA performance with minimal efficiencies in the 0.3 micron range of 97.8%. A 'typical' MERV 14 (90%)

Synthetic filter is included for reference.

The efficiency numbers above are misleading - the difference between the removal efficiency of 97.8% (ULTRA XP MERV 16+) compared to 75.6% (typical MERV 14 synthetic) may not seem that great a difference but the difference in the number of particles that pass through the filter is astonishing. The difference between 97.8% and 75.6% is 10 fold. If 100,000 particles that are 0.3 micron in size challenge each filter only 2,200 particles will pass through the ULTRA XP MERV 16+ while a whopping 24,400 particles will pass through a 'typical' MERV 14 synthetic bag filter. This is vitally important information for critical applications such as healthcare, pharmaceutical, etc.



OPTIONS:

EFFICIENCY – ULTRA XP is available in three efficiencies – MERV A 14, MERV A 15 and MERV A 16.

STANDARD SIZES – ULTRA XP Extended Surface filters are offered in 46 standard size options – including five different pocket depths, five different height and width options and six options of the number of pockets.

CUSTOM SIZES – In addition the ULTRA XP is available in virtually any combination of height, width, depth and number of pockets. There are some limitations so please consult with your local representative for availability.



Specifications

ULTRA XP BAG

EFFICIENCY AND RESISTANCE (24x24x26 8 Pocket)

MERV A 16 0.60"WG @ 492 FPM (149 PA @ 2.50 m/sec)

MERV A 15 0.40"WG @ 492 FPM (100 PA @ 2.50 m/sec)

MERV A 14 0.32"WG @ 492 FPM (80 PA @ 2.50 m/sec)

FINAL RESISTANCE

1.5" WG (373 PA)

MEETS ANSI/UL-900 REQUIREMENTS

SQUARE FEET OF MEDIA

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

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 $\pm 1/2$ " tolerance.

ADDITIONAL OPTIONS

GASKETING— Charcoal Ether Foam Gasketing is available on vertical sides, horizontal sides, upstream face or downstream face of header. Gasketing is a critical component to achieve the maximum efficiency performance out of the ULTRA XP or any filtration product.

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 $\pm 5\%$ variance in filter performance.

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