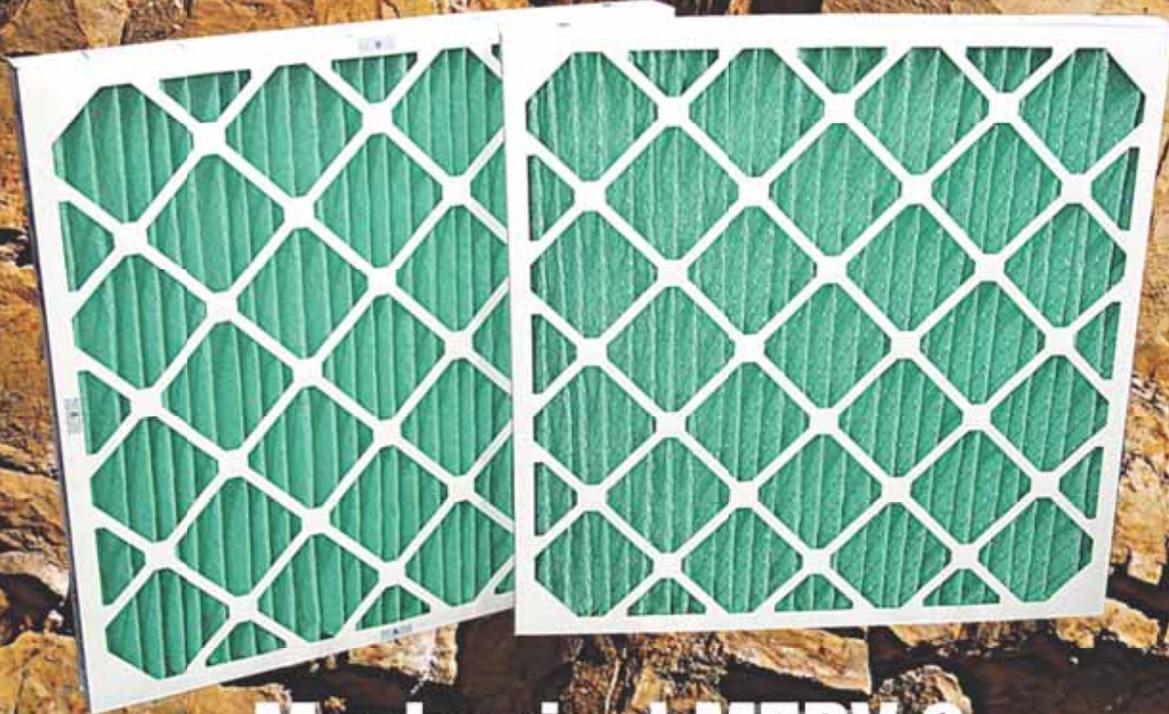


TRI-PLEAT ULTRA

TRI DIM
FILTER CORPORATION

**REACHING
NEW HEIGHTS**



- **Mechanical MERV 8**
- **Low Pressure Drop**

LOW RESISTANCE



TRI-PLEAT

ultra

**Mechanical MERV 8
Low Pressure Drop**

TRI-PLEAT ULTRA OFFERS A NEW LEVEL OF PERFORMANCE

... a new benchmark for pleated air filters - featuring mechanical MERV 8 performance at a very low, energy saving pressure drop - setting the standard for performance.

MECHANICAL MEDIA

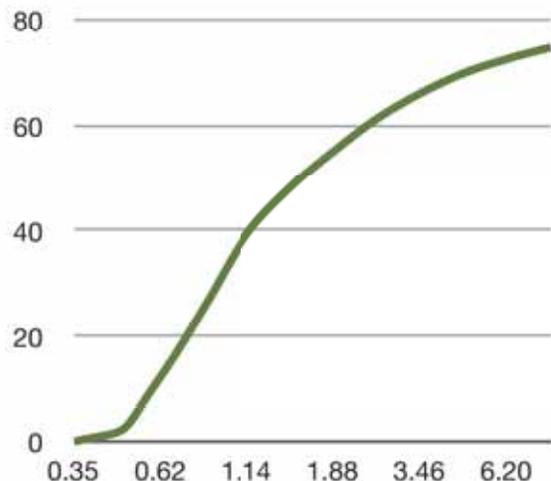
- most synthetic medias rely on an electrostatic enhancement to achieve their rated efficiency levels - this enhancement only provides high efficiency for a short period of time before it dissipates. So the performance that you paid for was not delivered.

In order to ensure the promised performance is delivered the TRI-PLEAT ULTRA was tested via ASHRAE 52.2 Appendix J.

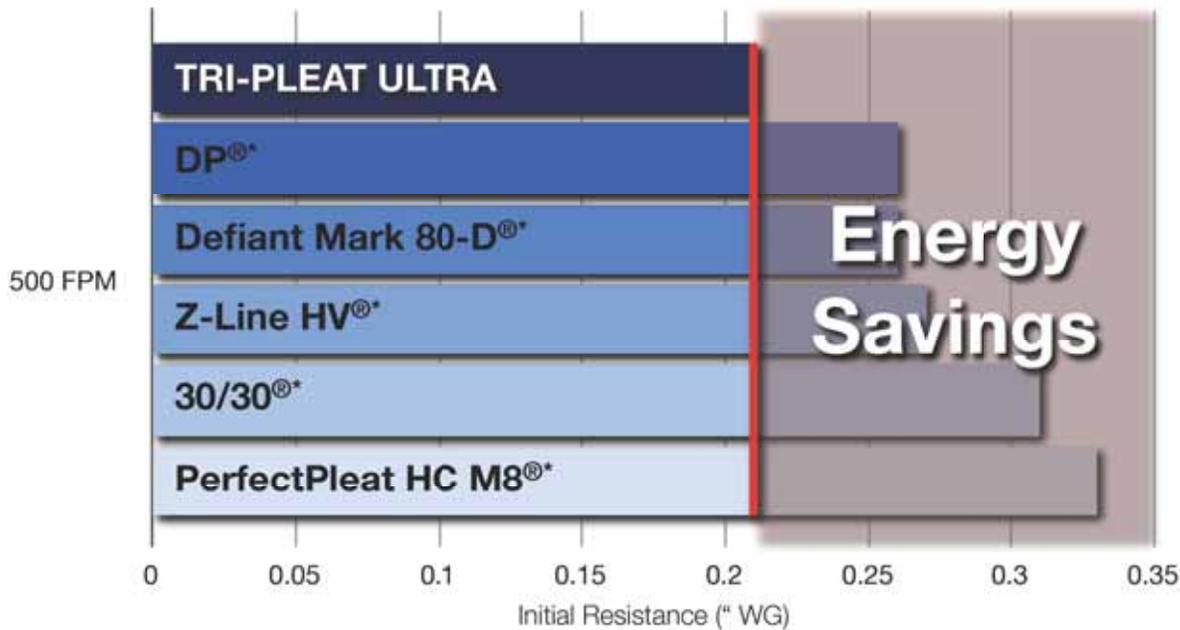
The graph (upper right) shows the results of an ASHRAE 52.2 Appendix J test that dissipates the electrostatic charge - results document a MERV 8 after the electrostatic charge is dissipated.

Why is important to you? Because you deserve the efficiency that you are paying from day 1 till the filter is changed out.

MINIMAL EFFICIENCY BY PARTICLE SIZE



LOW PRESSURE DROP - TRI-PLEAT ULTRA offers ultra low resistance 0.21" WG at 2000 CFM (for a 24x24x2) - this is up to 50% lower than comparable products (see chart below). This equals a significant reduction in operating resistance which equals energy savings.



CONSTRUCTION - TRI-PLEAT ULTRA utilizes a moisture resistance 28-point die-cut frame with diagonal supports bonded to the media pack for extra strength and to maintain proper pleat spacing. The pleat pack is bonded to a two piece frame. The media is also bonded to a metal grid that maintains pleat shape and adds stability to the media through changes in airflow.



The pleat pack is bonded to a two piece frame. The media is also bonded to a metal grid that maintains pleat shape and adds stability to the media through changes in airflow.

In addition the four-inch deep filters also use additional cardboard 'fingers' for additional strength and stability. All Tri-Pleat die cut frames are treated with an Aqua Coat treatment for added moisture resistance.

CAPACITY LEVELS - The TRI-PLEAT ULTRA is offered in two different capacities, the ULTRA ME filters are the High Capacity series manufactured with the maximum amount of media, 15 pleats per foot. The high capacity series offers the lowest resistance, highest dust holding capacity and the longest service life. The ULTRA LE filters are the Standard Capacity series and offer 11 pleats per foot. The standard capacity series offers extended surface area, long service life and high dust holding capacity.

* These competitive products and registered trademarks are used for identification purposes only. Resistance data taken from competitive websites during February 2011.

Specifications

PERFORMANCE

MEDIA	Synthetic, Mechanical
FRAME	Moisture Resistant Die-Cut
FINAL RESISTANCE	1.0" WG (249 PA)

RESISTANCE

- 1" Deep ULTRA LE Series = 0.49"WG (122 PA)
- 2" Deep ULTRA LE Series = 0.24"WG (60 PA)
- 4" Deep ULTRA LE Series = 0.22"WG (55 PA)

- 1" Deep ULTRA ME Series = 0.43"WG (107 PA)
- 2" Deep ULTRA ME Series = 0.21"WG (52 PA)
- 4" Deep ULTRA ME Series = 0.20"WG (50 PA)

APPROX. SQ. FT. OF MEDIA (per 1.0 Sq. Ft. of Filter Face Area)

- 1" Deep ES40LE Series Pleat = 1.6 Sq. Ft.
- 2" Deep ES40LE Series Pleat = 3.2 Sq. Ft.
- 4" Deep ES40LE Series Pleat = 5.9 Sq. Ft.

- 1" Deep ES40ME Series Pleat = 2.3 Sq. Ft.
- 2" Deep ES40ME Series Pleat = 4.8 Sq. Ft.
- 4" Deep ES40ME Series Pleat = 7.2 Sq. Ft.

EFFICIENCY

MERV 8 per ASHRAE 52.2 Appendix J

MEETS ANSI/UL-900 REQUIREMENTS

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.

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

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