

TRI-PLEAT ULTRA
Mechanical MERV 9
Low Pressure Drop

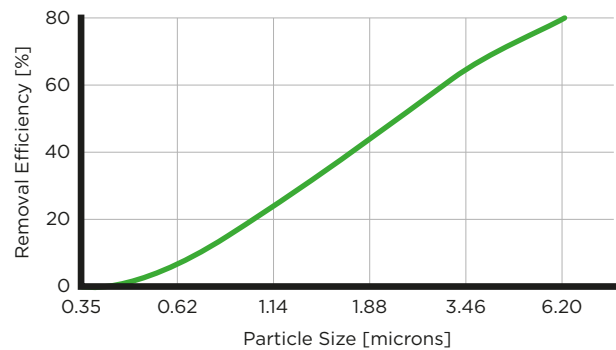
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MINIMAL EFFICIENCY BY PARTICLE SIZE



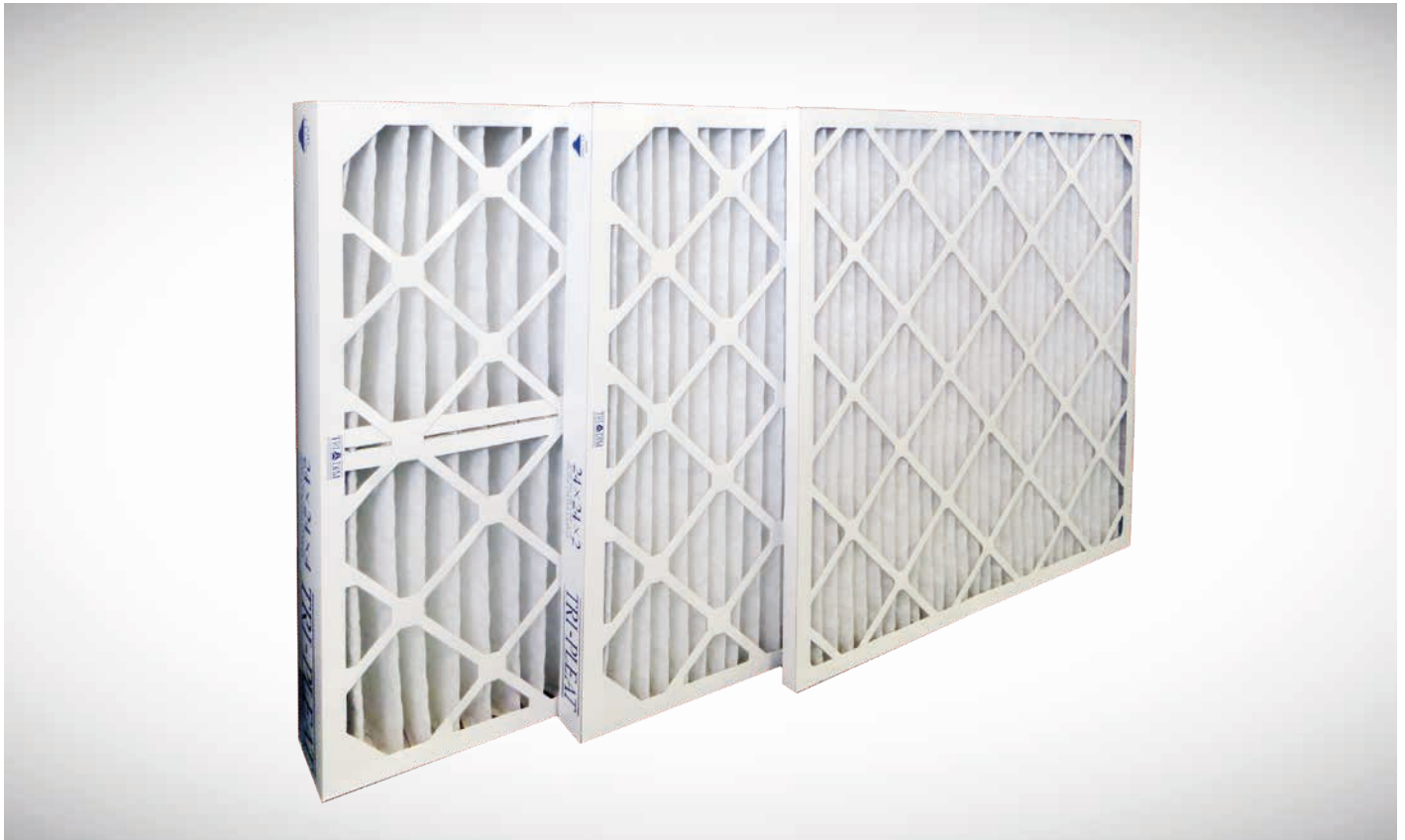
TRI-PLEAT ULTRA OFFERS A NEW LEVEL OF PERFORMANCE

... a new benchmark for pleated air filters - featuring mechanical MERV 9 performance at a very low, energy saving pressure drop - setting the standard for performance.

MECHANICAL MEDIA

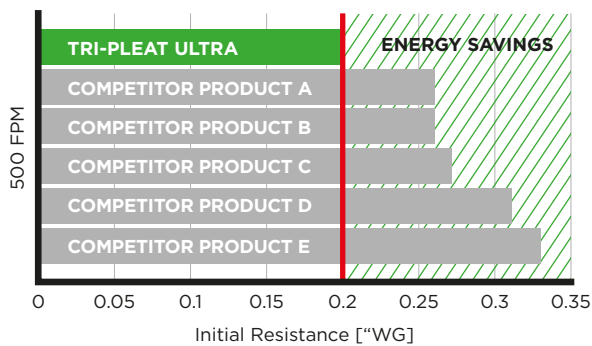
Most synthetic medias rely on an electrostatic enhancement to achieve their rated efficiency levels - this enhancement only provides high efficiency for a short period of time before it dissipates. So the performance that you paid for was not delivered. In order to ensure the promised performance is 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 9 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.



LOW PRESSURE DROP

TRI-PLEAT ULTRA offers ultra low resistance 0.20" 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 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. 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.

TRI-PLEAT ULTRA

Technical Data

SPECIFICATIONS

Specifications	TRI-PLEAT ULTRA
Media	Synthetic, Mechanical
Frame	100% Reclaimed Fiber Moisture Resistant Die-Cut
Final Resistance	1.0" WG (249 PA)
Resistance	1" Deep ULTRA LE Series = 0.30" WG (75 PA) 2" Deep ULTRA LE Series = 0.21" WG (52 PA) 4" Deep ULTRA LE Series = 0.19" WG (47 PA) 1" Deep ULTRA ME Series = 0.27" WG (67 PA) 2" Deep ULTRA ME Series = 0.20" WG (50 PA) 4" Deep ULTRA ME Series = 0.18" WG (45 PA)
Approx. Sq. Ft. of Media*	1" Deep ULTRA LE Series Pleat = 1.6 Sq. Ft. 2" Deep ULTRA LE Series Pleat = 3.2 Sq. Ft. 4" Deep ULTRA LE Series Pleat = 5.9 Sq. Ft. 1" Deep ULTRA ME Series Pleat = 2.3 Sq. Ft. 2" Deep ULTRA ME Series Pleat = 4.8 Sq. Ft. 4" Deep ULTRA ME Series Pleat = 7.2 Sq. Ft.
Efficiency	MERV 9 per ASHRAE 52.2 Appendix J
Meets Requirements	ANSI/UI-900

* Per 1.0 Sq. Ft. of Filter Face Area

LOCAL REPRESENTATIVE

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.