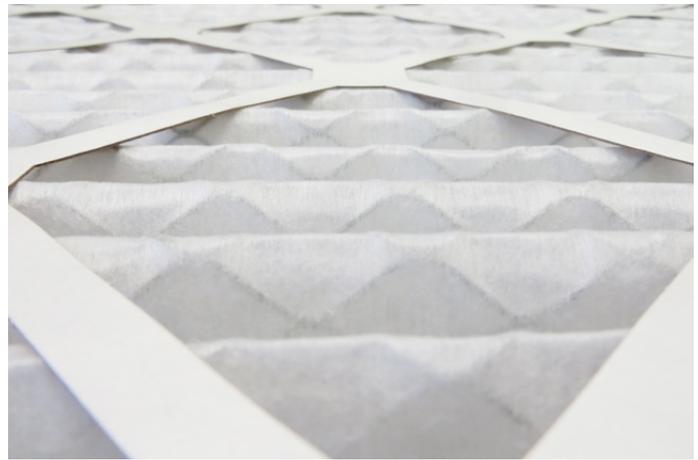# Tri-Pleat Ultra XT
Heavy duty, long-life pleated air filters

Tri-Pleat Ultra XT
Heavy duty, long-life pleated air filters

Tri-Pleat Ultra XT is up to the demands of the toughest applications.

The unique design of Tri-Pleat Ultra XT's media delivers maximum performance at a low energy consumption.

CONSTRUCTION

Tri-Pleat Ultra XT was designed from the ground up for the most demanding applications and represents the new benchmark in the industry. The combination of the new Ultra XT media, stout die-cut frame and heavy-duty wire backing creates an extra tough (XT) filter for the most demanding applications.

From the moment you pick up the Ultra XT, you will recognize that this filter is in a class of its own. Testing has demonstrated the long service life with a high dust holding capacity (DHC). This high DHC is by design. The fibers in the Ultra XT media were designed to allow for more surface area to capture particulate than standard cylindrical shaped fibers found in competitive medias.

MEDIA

The exclusive Ultra XT media is not your standard thin pleat media. It features a unique fiber design that maximizes the amount of service area available to capture dirt particles. This allows for maximum efficiency at the lowest pressure drop – at the same time.

The Tri-Pleat Ultra XT is a MERV 9/MERV 9A with a low, energy-saving resistance of 0.20 "WG @ 2000 CFM. In addition, it has an ultra-high dust holding capacity which equates to a long filter life.

The perfect combination High efficiency and low energy consumption

HIGH EFFICIENCY – MERV 8 VS 9

No. of particles per 1000 that pass through the filter

MERV 8   MERV 9

ENERGY SAVING PERFORMANCE

Tri-Pleat Ultra XT vs the competition
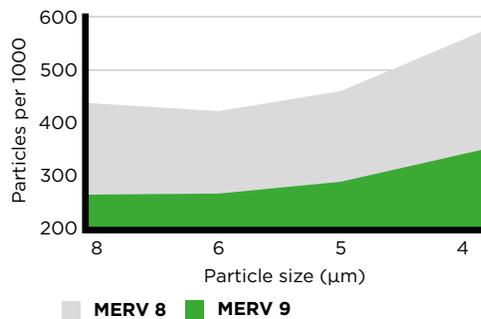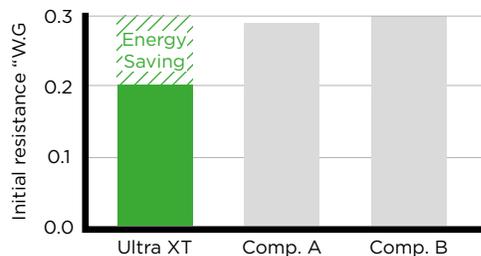

HIGH PARTICLE REMOVAL EFFICIENCY

Tri-Pleat Ultra XT delivers a strong MERV 9/MERV 9A efficiency. This efficiency is achieved by use of the unique fiber design and sets the standard for pleated filters. There is a bigger difference between a MERV 8 and MERV 9 performance than one would think.

In the chart to the left, the grey section shows the additional particles that are airborne when using a MERV 8 instead of a MERV 9 filter. That is over a 30% reduction on all particle sizes between 3 – 10 microns. That may not seem like a big deal, but when you consider that the job of a pleated prefilter is to protect occupants, equipment and more expensive high efficiency filters, there is a high cost to this additional level of contaminant.

This high cost is in part associated with the cost of dirty coils contaminated by these additional particles, and the increased energy consumption dirty coils cause. Additional costs can include the early replacement of expensive final filters due to high contaminate levels, and the unknown costs of extra particulate that could contain microbials that can cause illnesses and contaminate your HVAC system.

LOW PRESSURE DROP

Another advantage of the exclusive Ultra XT media in addition to toughness, and high efficiency is low, energy-saving resistance. This is a result of distinctive fiber design that allows for high efficiency with minimal pressure drop. The advantages of the low pressure drop are many and include energy savings, extended service life, and an easy retrofit from lower efficiency filters just to name a few.
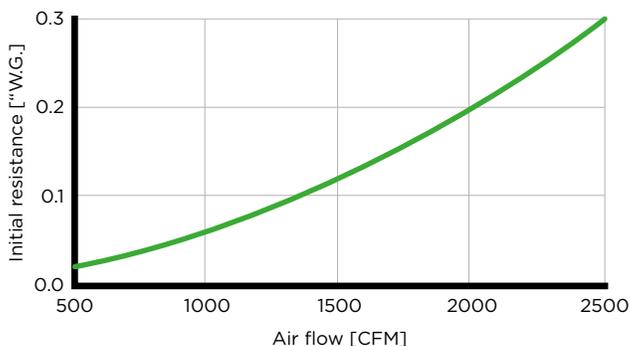
Tri-Pleat Ultra XT Technical Data

SPECIFICATIONS

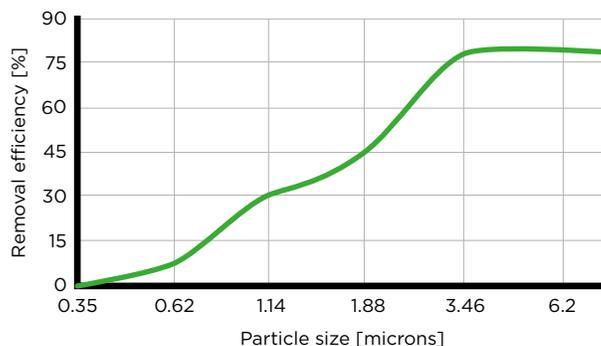| Product	Tri-Pleat Ultra XT
Media	Synthetic
Frame	Moisture-resistant die cut
Efficiency	MERV 9A
Initial resistance	**2" thick:** 0.20 "W.G. *(49 Pa)* **4" thick:** 0.19 "W.G. (57 Pa)
Final resistance	1.0 "W.G *(249 Pa)*

Meets ANSI/UL-900 requirements

TRI-PLEAT ULTRA XT
Resistance to air flow

TRI-PLEAT ULTRA XT
CME particle removal efficiency (ASHRAE 52.2)

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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