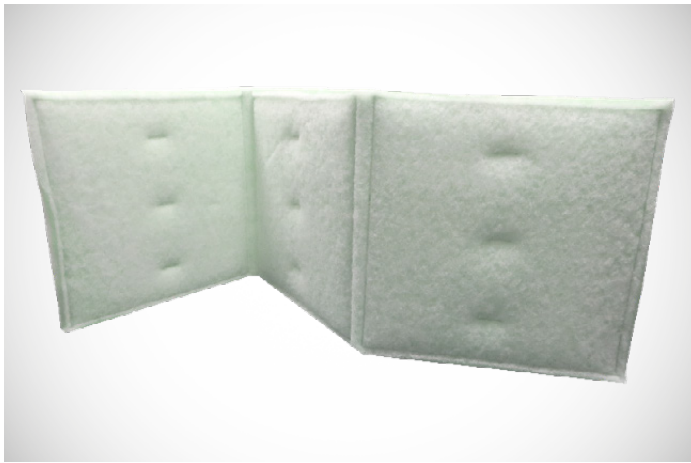


Tri-Dek XL
4-ply panel and
link filters

Tri-Dek XL 4-Ply

Medium efficiency panel and link filters



Tri-Dek XL



Tri-Dek's graduated media captures larger particles on its outer sections and finer dust beneath its surface - providing higher performance over a longer life.

TRI-DEK® MEDIA

Tri-Dek XL utilizes different media - arranged from coarse to fine - that allow the filter to capture the largest particles on the upstream side and finer particles as the air moves through the media. Tackifiers are used to enhance efficiency and to prevent particle migration.

This depth loading allows Tri-Dek panels to outperform traditional pleated filters with a longer service life. This additional operating life translates into fewer filters to buy, install and dispose of, and greater cost savings overall.

The four-ply Tri-Dek XL media contains 24% post-consumer recycled fiber content, which helps achieve green initiative goals - like LEED® Certification.

BYPASS OF UNFILTERED AIR

Air bypass is a huge, undetected but costly problem in most HVAC systems. Cardboard-framed filters are difficult to seal together, which can allow unfiltered air to pass between filter elements.

Another common issue are filters that do not completely fill up the track - allowing gaps of several inches. Tri-Dek panels and links are self-sealing and can be manufactured to fill the entire filter track - eliminating air bypass and providing cost savings.



Tri-Dek's selvage edge (right) eliminates the bypass of unfiltered air.

Tri-Dek XL

High performance across its service life



EFFICIENCY

How a filter performs in a test laboratory under controlled conditions is important to show the expected performance of a product. But what is more important is how a filter performs in the unpredictable and uncontrolled conditions of real-world applications.

Tri-Dek XL offers exceptional removal efficiency in the laboratory and the real world - with independent in-field tests documenting MERV 10-11 efficiencies from Tri-Dek XL panel filters.



CONSTRUCTION

Tri-Dek panel and link filters are constructed out of filter media and a heavy-duty wire frame for support. That's it. No cardboard frame, wire backing or adhesives. This makes Tri-Dek XL an extremely tough and durable filter - minimizing the risk of damage from shipping and handling.

Cardboard-framed filters, like pleated filters, are easily damaged and are only packed 12 per case. Tri-Dek filters are packed 24 per case - providing a 50% reduction in storage, freight, and the number of trips back and forth to the air handler during changeouts.



MOISTURE AND MOLD RESISTANT

Cardboard framed filters are vulnerable to the effects of moisture in two ways. Firstly, if the frame becomes wet it can buckle under the pressure of the system. Secondly, a damp filter combined with warm conditions of an air handling unit enables mold and other microbials to easily grow.

Tri-Dek uses no cardboard and instead relies on an internal wire ring for support. This creates a filter that is resistant to moisture and mold, and eliminates the risk of filter failure due to wet conditions.

Tri-Dek XL

Technical Data

SPECIFICATIONS

Product	Tri-Dek XL
Media	Synthetic, 4 deniers
Frame	Galvanized wire
Seal	Thermally generated
Resistance	0.08" W.G. @ 125 FPM (20 Pa @ 0.64 m/sec) 0.19" W.G. @ 250 FPM (47 Pa @ 1.27 m/sec) 0.34" W.G. @ 375 FPM (85 Pa @ 1.91 m/sec) 0.51" W.G. @ 500 FPM (127 Pa @ 2.54 m/sec) 0.70" W.G. @ 625 FPM (174 Pa @ 3.18 m/sec)
Final resistance	1.0" W.G (249 Pa)

Meets ANSI/UL-900 requirements

OPTIONS

Link - Individual panels linked together to form a linked filter that will fit from 'door-to-door' and eliminates gaps and metal spacers.

ALAP - A case of twenty-four linked panels.

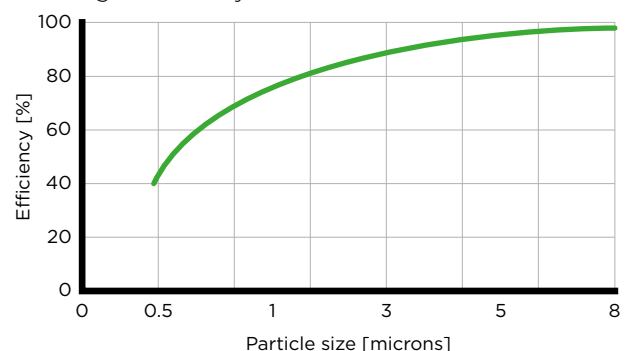
Tri-Dek roll up - Miniature-sized panels linked together to allow use in tight spaces where a standard size filter cannot fit without being bent.

Antimicrobial treatment - EPA approved treatment to control the growth of microbials within the filter.

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.

TRI-DEK XL

Average efficiency vs Particle size



LOCAL REPRESENTATIVE