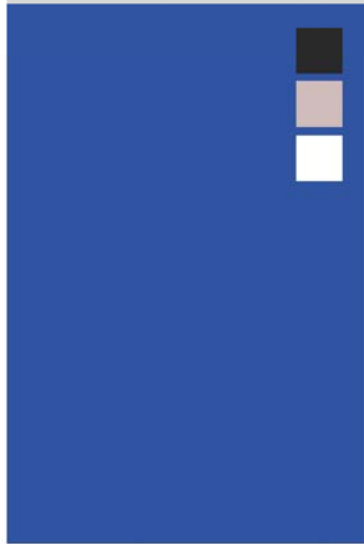




TRI-CELL™ THIN LINE

MEDIUM AND HIGH EFFICIENCY MINI-PLEAT AIR FILTERS





← Bag Filter – 15" to 36" Deep →



Box Filter – 6" or 12" Deep



Thin Line Filter – only 2" or 4" Deep



TRI-CELL IV and the TRI-CELL II - Thin Line Series offers mini-pleat technology, high efficiency and a convenient thin design – a true innovative filtration solution.

Thin Line - Available in either two or four inch thicknesses. Higher efficiency requirements due to the increased concerns over IAQ and Green Initiatives have left building operators with few options. The Tri-Cell Thin Line Series is a great solution for these retrofit applications.

The Tri-Cell Thin Line Series is also an excellent choice for new construction projects with the added benefit of high filtration while utilizing very little space.

Mini-Pleat Technology - The Tri-Cell Thin Line Series utilizes the same Mini-Pleat technology found in our Tri-Pure HEPA filters. Tri-Cell Thin Line Series media packs are pleated in a cleanroom environment offering maximum protection from contamination during the manufacturing process. Mini-Pleat technology offers the advantage and added benefit of maximum amount of media – this results in longer service life, lower resistance and lower energy related expenses.

High Efficiency - Tri-Cell Thin Line Series is offered in a variety of efficiencies for a wide range of applications. Tri-Cell Thin Line Series is offered in 60-65% (MERV 10-11), 80-85% (MERV 13) and 90-95% (MERV 14-15) rated efficiencies.

This wide range of efficiencies offers the flexibility to be effective in removing a wide range of 'target' particle sizes in an assortment of applications – from hospital, pharmaceutical, commercial, institutional, manufacturing and more.



Disposal - Tri-Cell Thin Line Series offers the advantage of increased disposability. The Tri-Cell Thin Line Series increased disposability is achieved by its 'Thin' design and materials of construction. Tri-Cell Thin Line Series offers greater than 80% reduction in volume over other traditional high efficiency filters. When the option of a moisture resistant die-cut frame is

used, there are no metal components to dispose of making it a fully incinerable filter.

Reduced Shipping and Storage - Another obvious benefit of the Tri-Cell Thin Line Series is reduced shipping and storage cost. The Tri-Cell Thin Line Series offers a vast reduction in shipping and storage space when compared to other traditional high efficiency products. Reductions can exceed 80% - resulting in significant freight and storeroom savings.

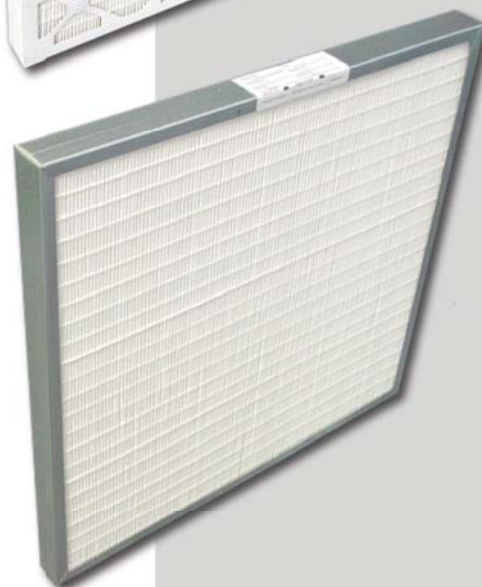
Frame Options - Tri-Cell Thin Line Series is offered in three standard frame options.

Moisture Resistant Die-Cut Frame This frame option is available in both 2" and 4" depths, in standard and special sizes.



'C' Style Galvanized Metal Frame The 'C' style frame offers added robustness for more demanding applications. This frame option is also available in both 2" and 4" depths, in standard and special sizes.

Metal Single Header Style The metal single header style is also constructed of galvanized metal with a 13/16" header and is available only in a 4" depth. This frame style is for use in a 1" filter track maximizing the opportunities to upgrade existing HVAC systems.



TRI-CELL THIN LINE SPECIFICATIONS



LEED CREDITS

Indoor Environmental Quality
 IEQ Credit 1.4: IAQ Best Management Practices: Reduce Particulates in Air Distribution

Requirement -
 Have in place filtration media with a minimum efficiency reporting value (MERV) greater than or equal to 13 for all outside air intakes and inside air recirculation returns during the performance period. Establish and follow a regular schedule for maintenance and replacement of these filters according to the manufacturer's recommended interval.

Additional LEED Credits may exist.

Media

Glass Microfiber

Frame Construction

Standard Options

Moisture Resistant Die Cut (available on 2" and 4")
 Metal 'C' Style Frame (available on 2" and 4")
 Metal Frame with Single Header (available 4" only)

Seal

Perimeter Adhesive Seal

Efficiency and Initial Resistance

2" Deep @ 250 FPM (1.27 m/sec)	MERV 10 (60-65%)	0.14" WG (35 PA)
	MERV 13 (80-85%)	0.30" WG (75 PA)
	MERV 14 (90-95%)	0.41" WG (102 PA)
4" Deep @ 500 FPM (2.54 m/sec)	MERV 11 (60-65%)	0.34" WG (85 PA)
	MERV 13 (80-85%)	0.58" WG (144 PA)
	MERV 15 (90-95%)	0.69" WG (172 PA)

Recommended Final Resistance

1.5" WG (373 PA)

Options

Factory Installed Gasketing
 Faceguard (one location only)

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-Dim® and Tri-Dek® are Registered Trademarks of Tri-Dim Filter Corporation. Tri-Pleat™ is a Trademark of Tri-Dim Filter Corporation.



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