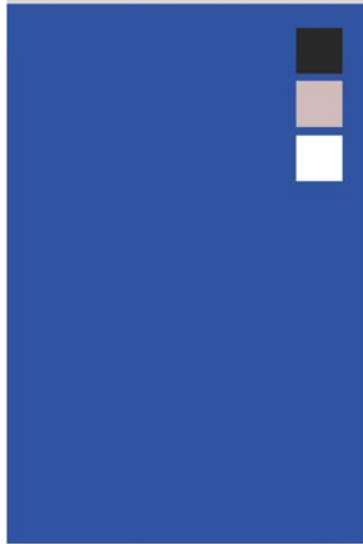




# TRI-CELL™ THIN LINE

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.

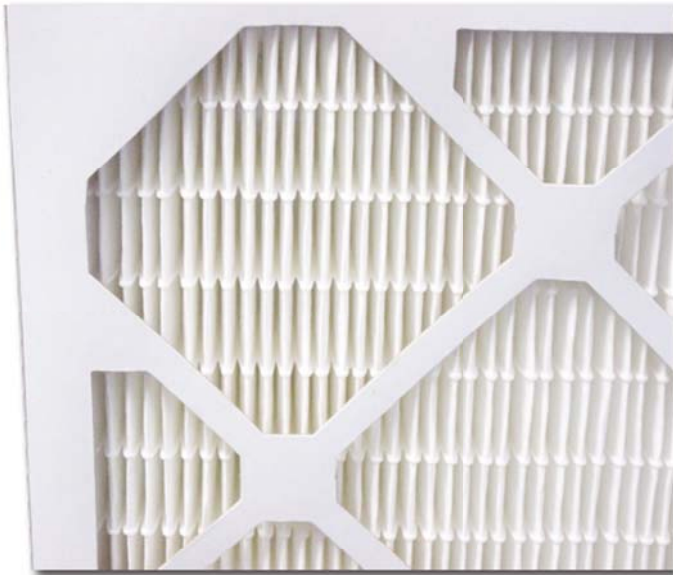
The Tri-Cell Thin Line Series is also an excellent choice for new construction projects with the added benefit of high filtration while utilizing very little space.

**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.

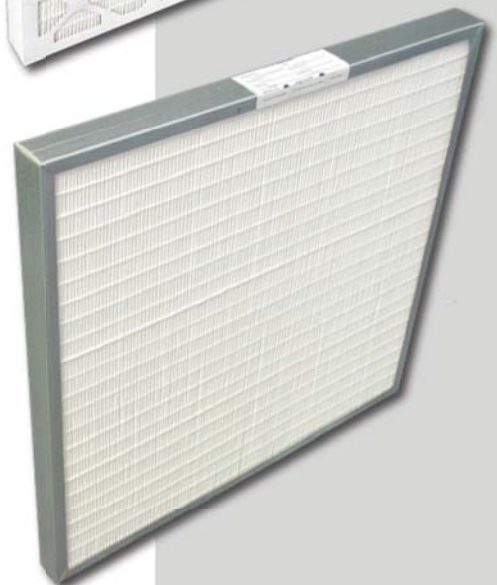
**Moisture Resistant Die-Cut Frame** This frame option is available in both 2" and 4" depths, in standard and special sizes.



**'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



## 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%)  
MERV 13 (80-85%)  
MERV 14 (90-95%)

0.14" WG (35 PA)  
0.30" WG (75 PA)  
0.41" WG (102 PA)

4" Deep  
@ 500 FPM  
(2.54 m/sec)

MERV 11 (60-65%)  
MERV 13 (80-85%)  
MERV 15 (90-95%)

0.34" WG (85 PA)  
0.58" WG (144 PA)  
0.69" WG (172 PA)

## Recommended Final Resistance

1.5" WG (373 PA)

## Options

Factory Installed Gasketing  
Faceguard (one location only)

## 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.*

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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