



Tri-Cell R &  
Syn-Pac R  
High Efficiency  
Rigid Filters

# Tri-Cell R & Syn-Pac R Superior Rigid Filters



## TRI-CELL R & SYN-PAC R

**Extended surface rigid filters that offer superior performance, rugged construction, and a wide range of efficiencies.**

### MEDIA OPTIONS

Tri-Dim's rigid cell family is available with either a fiberglass or synthetic media.

The fiberglass option is the Tri-Cell R, which features a high loft, depth loading micro-glass media. Tri-Cell R delivers strong mechanical filtration and proven removal efficiencies throughout its services life.

Syn-Pac R is the synthetic range of rigid filters. These filters feature a 100% synthetic media that provides high initial efficiency, low resistance and reduced fiber shedding.

## FRAME STYLES

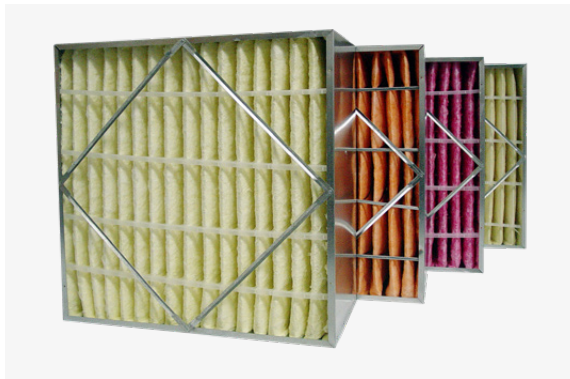
Tri-Cell R and Syn-Pac R filters are offered in a no header 'box'-style or a single header style frame – both of which are constructed of galvanized steel. Tri-Dim's single-header style frame will fit into any OEM side access housing. Our no-header 'box' style is designed to fit into holding frame applications that utilize spring clips. Both the Tri-Cell R and Syn-Pac R come with pre-drilled holes for spring clip use.

Tri-Dim offers both the Tri-Cell R and Syn-Pac R filters in 12" and 6" nominal depths.



# Tri-Cell R & Syn-Pac R

## Trusted Performance



Tri-Cell R filters (left to right) 45-45%, 60-65%, 80-85% and 90-95%

### **EFFICIENCY OPTIONS**

Tri-Cell R and Syn-Pac R filters are offered in a range of ASHRAE efficiencies to meet the needs of a wide range of applications and allow for easy efficiency upgrades where required. Available efficiencies are 45 - 50% (MERV 11), 60 - 65% (MERV 12), 80 - 85% (MERV 13) and 90 - 95% (MERV 15).

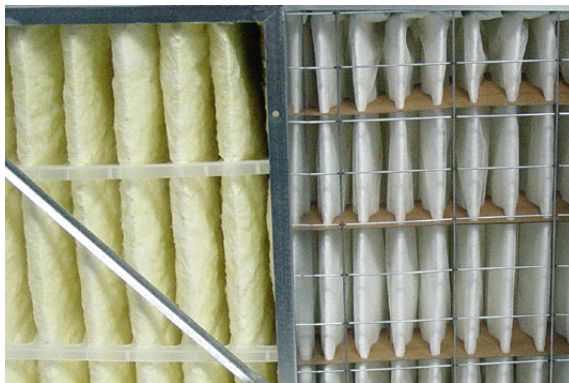
### **FILTER CONSTRUCTION**

Standard versions of the Tri-Cell R and Syn-Pac R filters utilize a galvanized steel frame, and cardboard or plastic finger media separators.

The Tri-Cell R and Syn-Pac R filters utilize an expanded metal, rust-resistant wire support grid that is bonded to the media for added media support.

### **ADDITIONAL OPTIONS**

**Gasketing** - Optional gasketing is available on both the Tri-Cell R and Syn-Pac R filter. Appropriate gasketing is recommended on all high efficiency filters to eliminate the bypass of unfiltered air.



Plastic (left) and cardboard (right) finger media separators

# Tri-Cell R & Syn-Pac R

## Technical Data

### SPECIFICATIONS

Product	Syn-Pac R Series	Tri-Cell R Series
<b>Media</b>	Lofted synthetic	Lofted fiberglass
<b>Recommended final resistance</b>	1.5 "W.G. (373 Pa)	
<b>Media area (no header version)</b>		
24 x 24 x 12" (610 x 610 x 305 mm)	58 sq ft (5.4 m <sup>2</sup> )	
24 x 12 x 12" (610 x 305 x 305 mm)	28 sq ft (2.6 m <sup>2</sup> )	
24 x 24 x 6" (610 x 610 x 152 mm)	29 sq ft (2.7 m <sup>2</sup> )	
24 x 12 x 6" (610 x 305 x 152 mm)	14 sq ft (2.0 m <sup>2</sup> )	
<b>Resistance</b>		
45-50% 12" deep 6" deep	0.20 "W.G. @ 500 FPM (50 Pa @ 2.54 m/s) 0.13 "W.G. @ 250 FPM (32 Pa @ 1.27 m/s)	0.30 "W.G. @ 500 FPM (75 Pa @ 2.54 m/s) 0.19 "W.G. @ 250 FPM (47 Pa @ 1.27 m/s)
60-65% 12" deep 6" deep	0.25 "W.G. @ 500 FPM (62 Pa @ 2.54 m/s) 0.14 "W.G. @ 250 FPM (35 Pa @ 1.27 m/s)	0.32 "W.G. @ 500 FPM (80 Pa @ 2.54 m/s) 0.22 "W.G. @ 250 FPM (55 Pa @ 1.27 m/s)
80-85% 12" deep 6" deep	0.39 "W.G. @ 500 FPM (97 Pa @ 2.54 m/s) 0.32 "W.G. @ 250 FPM (80 Pa @ 1.27 m/s)	0.48 "W.G. @ 500 FPM (119 Pa @ 2.54 m/s) 0.40 "W.G. @ 250 FPM (100 Pa @ 1.27 m/s)
90-95% 12" deep 6" deep	0.59 "W.G. @ 500 FPM (147 Pa @ 2.54 m/s) 0.49 "W.G. @ 250 FPM (114 Pa @ 1.27 m/s)	0.69 "W.G. @ 500 FPM (172 Pa @ 2.54 m/s) 0.67 "W.G. @ 250 FPM (167 Pa @ 1.27 m/s)
<b>Rated efficiency</b> ASHRAE 52.1 = ASHRAE 52.2		
45 - 50%	MERV 11	
60 - 65%	MERV 12	
80 - 85%	MERV 13	
90 - 95%	MERV 15	

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