

Tri-Cell VRC  
Replaceable V-Cell  
Filter System

# Tri-Cell VRC

## High Efficiency V-Cell



### **REPLACEABLE PANEL SYSTEM**

The innovative Tri-Cell VRC™ offers a replaceable panel system that is a maintenance-friendly solution for reducing shipping, storage and disposal cost, while providing high efficiency.

### **MAINTENANCE FRIENDLY**

Tri-Cell VRC is an innovative replaceable panel system that was designed with maintenance staff in mind. The Tri-Cell VRC utilizes a permanent metal frame (pictured above left) that can be permanently mounted.

Available in a standard depth of 12 inches, filter replacement is a breeze—simply remove the old media packs and replace with new.

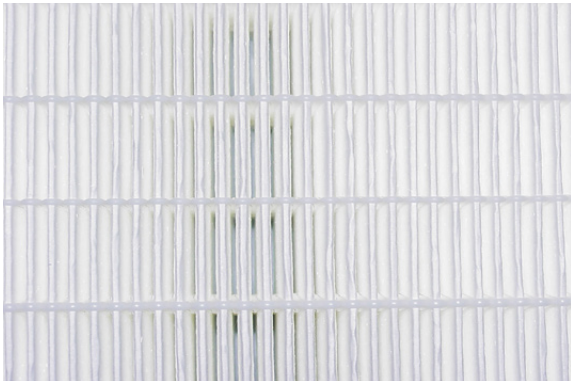
Another maintenance-friendly advantage is the reduced weight. Replacement media packs for a 24 x 24 x 12" filter weigh under 7 pounds—70% lighter than a 24 x 24 x 12" ASHRAE Cell that will weigh over 23 lbs.

### **REDUCED SHIPPING, STORAGE AND DISPOSAL COST**

When you compare the replacement panels for a 24 x 24 x 12" Tri-Cell VRC to a typical similar-sized high efficiency cell filter, there is a reduction in volume of over 65%. This translates into huge savings in freight, storage and disposal.

The Tri-Cell VRC replacement packs are also environmentally friendly with no metal components. They are completely incinerable or easily compacted to minimize use of precious landfill space.

# Real-world efficiency Performance where it counts



## **REAL WORLD EFFICIENCIES**

The microfiber media utilized in the Tri-Cell VRC offers real-world efficiencies of 80 – 85% and 90 – 95%. The media packs will not shed media fibers downstream as high-loft glass medias are prone to do. The microfiber media is also not susceptible to the efficiency degradation that can affect some electrostatically-enhanced medias.

The Tri-Cell VRC offers efficiencies that can be trusted to perform as well in real-world applications as they do in a test laboratory.

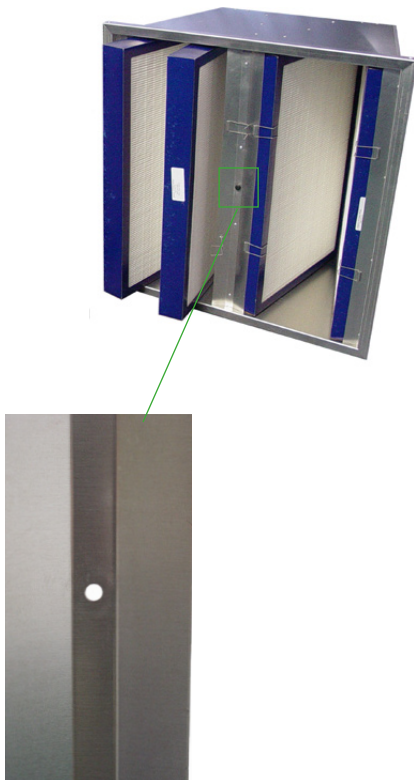
## **SMART FILTER PORT**

The Tri-Cell VRC offers the exclusive and useful Smart Filter Port that will assist maintenance personnel in determining when media packs need changing. This feature allows for convenient and easy testing of the resistance across the filter. Simply remove the plug and insert the hose from a portable magnehelic gauge for instant access to test in-place resistance of any filter.

The Smart Filter Port is also useful to take particle counts downstream of the filter bank to verify filter efficiency. This is especially useful when access is limited downstream. Simply remove the plug and insert the particle counter probe for immediate access to the downstream side of the filter bank.

## **PARTICULATE / GAS PHASE VERSATILITY**

The Tri-Cell VRC replacement panel system also offers the ability to respond to either particulate or odor issues—such as diesel odors from a loading dock—as they arise. This feature finally allows for the flexibility needed in real world HVAC systems. The molecular contamination filters are available in either Tri-Sorb™ 300—which offers over 4 pounds of carbon, or the Tri-Sorb™ 600, which totals 8½ pounds of carbon in a 24 x 24 x 12” filter.



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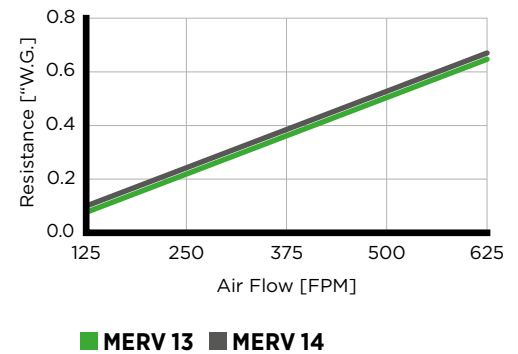
## Technical Data

### SPECIFICATIONS

Product	Tri-Cell VRC
Media	Glass microfiber
Available efficiencies	MERV 13 (80 - 85%); MERV 14 (90 - 95%)
Resistance to air flow	MERV 13 - 12" deep 0.48 "W.G. @ 500 FPM (119 Pa @ 2.5m/sec) MERV 14 - 12" deep 0.52 "W.G. @ 500 FPM (129 Pa @ 2.5m/sec)
Recommended final resistance	1.50 "W.G. (373 Pa)
Permanent frame construction	16-gauge .050-5052 aluminum
Available sizes (nominal)	24 x 24 x 12" (610 x 610 x 305 mm) 12 x 24 x 12" (305 x 610 x 305 mm)
Media surface area	24 x 24 x 12" 106 sq. ft. (9.85 m <sup>2</sup> )
Pleat pack frame	Water resistant frame
Optional carbon filters	300 grams/sq. ft.; 600 grams/sq. ft.

### 12" DEEP

Resistance to Airflow



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