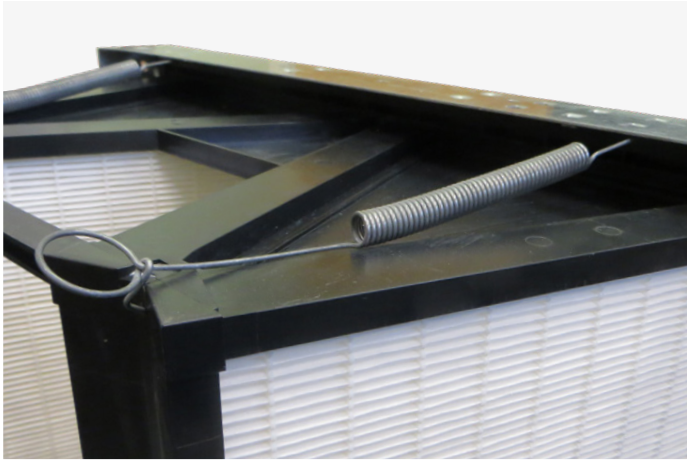




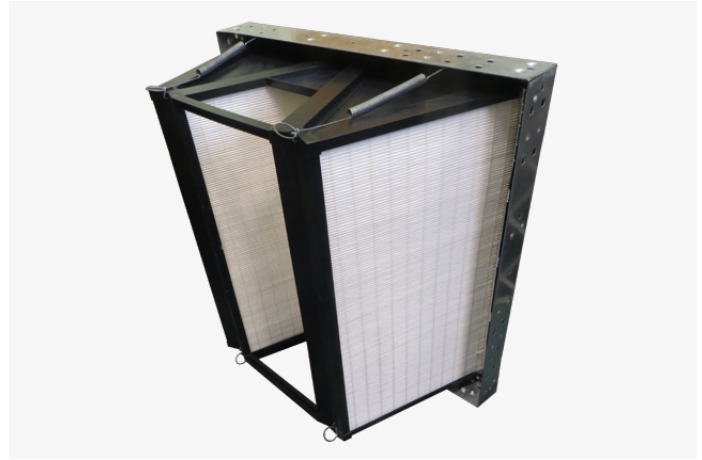
Predator II  
High Efficiency, 4  
Panel V-Cell Filter

# Predator II

## Proven high efficiency



Close-up of front or rear-load spring attachment



Front or rear-load applications

### **HIGH EFFICIENCY, FOUR PANEL V-CELL FILTERS**

The Predator II from Tri-Dim Filter Corporation is an effective, innovative and economical replacement to other high efficiency filters.

The Predator II is a high efficiency V-cell air filter that utilizes an all plastic frame with a micro-fiber media that is proven to produce consistent results in the test lab as well as in real world applications.

### **EASY REPLACEMENT**

The Predator II allows for easy upgrades from other high efficiency filters – in fact the Predator II will fit into almost any holding frame or housing that holds a single header, double-header or no header filter.

### **LOWER RESISTANCE**

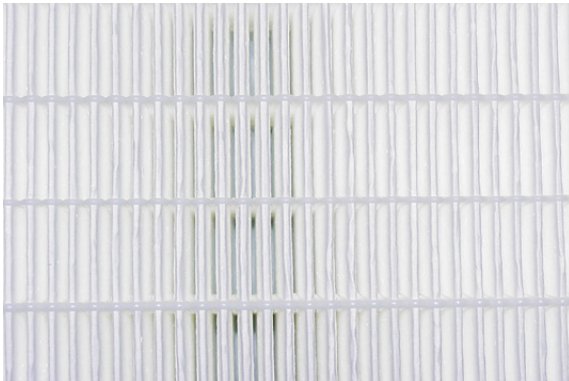
Increased surface area leads to lower resistance which will reduce energy consumption. The Predator II will save over \$40 per year per filter when upgrading from a rigid R-Cell – making the upgrade from an R-Cell a net savings.

*Cost Savings based upon 1 - 24 x 24 x 12 95% filter operated at 2000 CFM, energy cost of \$0.10 per KWH, Time Period of 8760 hours and a Motor and Blower Efficiency of 65%*

### **SERVICE LIFE**

The Predator II's increased surface area is 50% greater than a conventional R-Cell, which reduces the number of filters you have to buy and reduces the change-out labor. So now you can focus on the essentials of your job or take that well deserved break.

# Real-world efficiency Performance where it counts



The Predator II media pack

## **MEDIA**

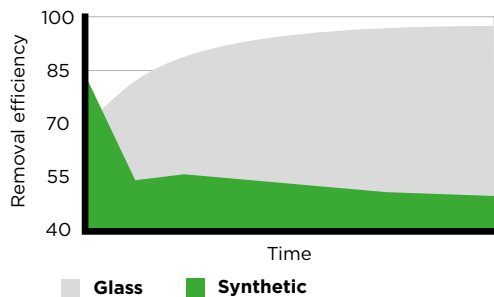
The Predator II uses a micro-fiber media that allows for high efficiency and does not utilize an electrostatic charge to increase efficiency so efficiency degradation will not be an issue. The media pack is bidirectional allowing for 'reverse' installation. The media pack uses HEPA mini-pleat technology and is pleated in a cleanroom environment.

## **SYNTHETIC EFFICIENCY DEGRADATION**

The real world problem of efficiency degradation in synthetic electrostatically charged medias could dramatically reduce the effectiveness of your expensive, high efficiency filters. Efficiency degradation is caused when the charged electrostatic fibers become coated with fine particles, thus reducing the electrostatic charge and the filter efficiency. The Predator II is constructed of micro-fiber media that has a proven track record to produce consistent results both in the test lab as well as in real world applications.

## **Particle Removal Efficiency**

Synthetic vs Glass



## **FRAME**

The Predator II utilizes a plastic frame with plastic struts that help to minimize its weight (see left) and allows for easy disposal. The Predator II frame is constructed with recycled content. The uniquely-designed frame enables the Predator II to be used in all types of installation applications for ease of replacing any current high efficiency filter.

The Predator II is also available in a double header configuration for required applications. The Predator II VR has the same trusted performance, but with a double header.

## **LIGHT WEIGHT**

The Predator II weighs less than 7-½ pounds for a 24 x 24 x 12 filter. This is more than 65% less than a conventional ASHRAE box filter. The benefit is in reduced freight and reduced fatigue of maintenance staff.



Predator II features a lightweight but strong frame.

# Predator II

## Technical Data

### SPECIFICATIONS

Product	Predator II
Media	Glass microfiber
Frame	Plastic frame with plastic struts. Tops/bottoms 97% recycled content
Seal	Perimeter adhesive seal
Rated efficiencies ASHRAE 52.2 (ASHRAE 52.1)	MERV 11 (60 - 65%) MERV 13 (80 - 85%) MERV 14 (90 - 95%)
Initial resistance @ 500 FPM  MERV 11 (60 - 65%) MERV 13 (80 - 85%) MERV 14 (90 - 95%)	  0.23 "W.G. (57 Pa) 0.44 "W.G. (110 Pa) 0.53 "W.G. (132 Pa)
Recommended final resistance	1.5 "W.G. (373 Pa)
Temperature limit	160 °F (71 °C)

### LEED CREDITS

"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."

Use Predator II MERV 13, MERV 14, MERV 15 to meet or exceed these requirements. 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.

#### LOCAL REPRESENTATIVE