



# PREDATOR II

High Efficiency Four Panel V-Cell Filter



EPA/ETV Test  
Verified  
Performance

PROVEN



## 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 plastic and metal struts and 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.



*Close-up of Front or Rear  
Load Spring Attachment*



*Front or Rear Load Applications*

**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 1-24x24x12 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.

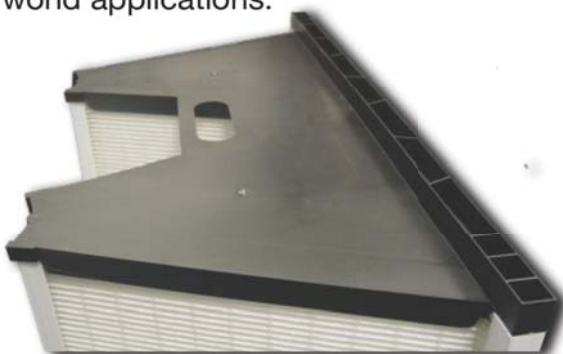
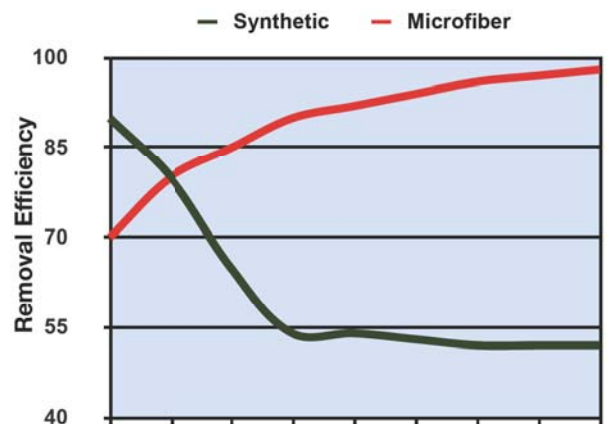


## MEDIA

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.

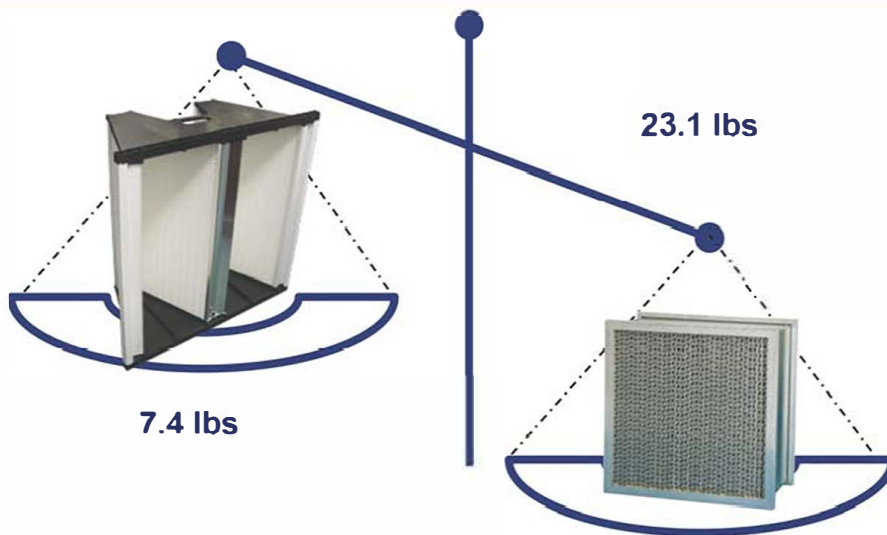


## FRAME

The PREDATOR II utilizes a plastic frame with metal and plastic struts that helps to minimize it's weight (see left) and allows for easy disposal. The top and bottom pieces are constructed from 97% recycled content. The uniquely designed frame allows for the PREDATOR II to be used in all types of installation applications for ease of replacing any current high efficiency filter.

## LIGHT WEIGHT

The PREDATOR II weighs less than 7-½ pounds for a 24x24x12 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.



## LEED® CREDITS

**LEED 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."

Use of a Predator II MERV 13 or MERV 14 to meet or exceed LEED requirements.

*Additional LEED Credits may exist.*



## OPTIONAL FRAME

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.

## SPECIFICATIONS

### MEDIA:

GLASS MICROFIBER

### FRAME MATERIAL:

PLASTIC FRAME WITH METAL AND PLASTIC STRUTS  
TOPS/BOTTOMS 97% RECYCLED CONTENT

### RATED EFFICIENCIES:

ASHRAE 52.2 (ASHRAE 52.1)  
MERV 11 (60-65%)  
MERV 13 (80-85%)  
MERV 14 (90-95%)

### MEDIA AREA:

24x24x12	100 FT <sup>2</sup> (9.2 m <sup>2</sup> )
24x20x12	80 FT <sup>2</sup> (7.4 m <sup>2</sup> )
24x12x12	45 FT <sup>2</sup> (4.2 m <sup>2</sup> )
20x20x12	75 FT <sup>2</sup> (7.0 m <sup>2</sup> )

### INITIAL RESISTANCE: @ 500 FPM

60-65%	0.23" W.G. (57 PA)
80-85%	0.44" W.G. (110 PA)
90-95%	0.53" W.G. (132 PA)

### FINAL RESISTANCE:

1.50" W.G. (373 PA)

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.



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