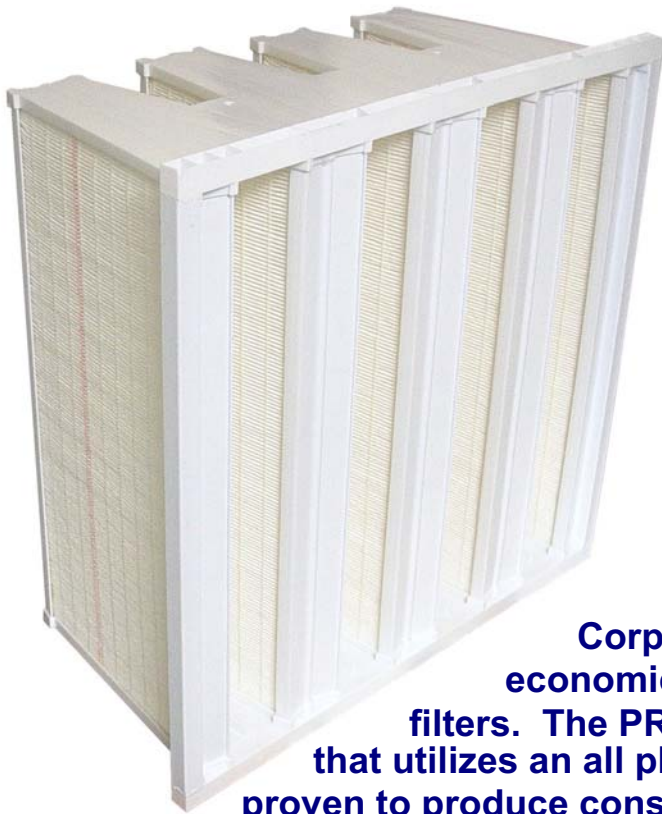


HIGH EFFICIENCY EIGHT PANEL V-CELL FILTERS

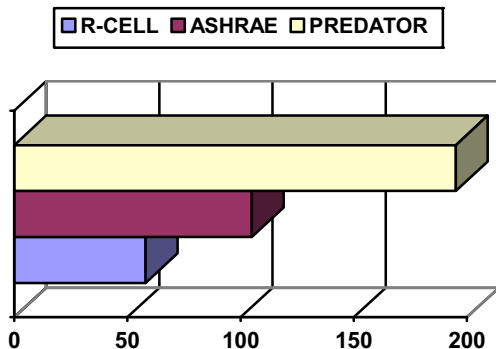




HIGH EFFICIENCY EIGHT PANEL V-CELL FILTERS

The PREDATOR from Tri-Dim Filter Corporation is an effective, innovative, economical replacement to other high efficiency filters. The PREDATOR is a high efficiency V-Cell air filter that utilizes an all plastic frame and micro-fiber media that is proven to produce consistent results in the test lab as well as in real world applications.

Square Feet of Media Comparison



SERVICE LIFE

The Predator's increased surface area, greater than **235%** more than an R-Cell and **85%** more than an ASHRAE cell, reduces the number of filters you have to buy. This also reduces the number of times a year that labor is required so you can focus on the essentials of your job or take that well deserved break.

LOWER RESISTANCE

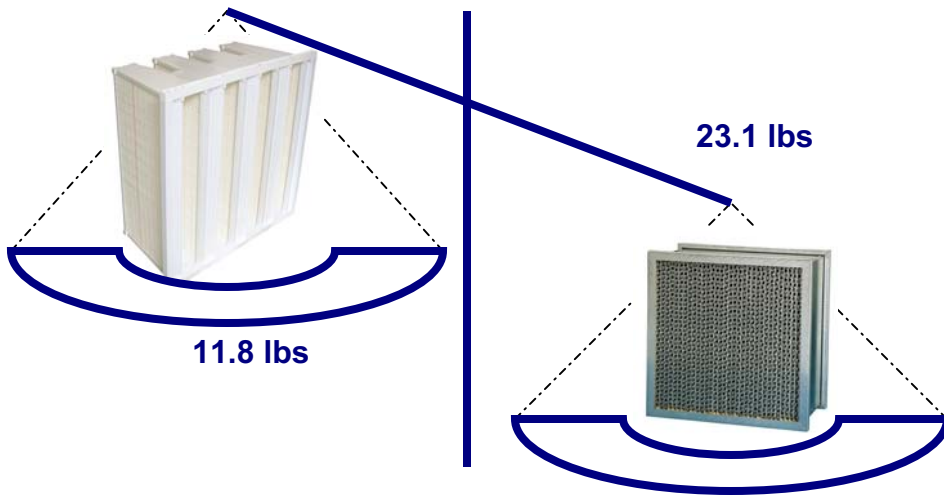
Increased surface area leads to lower resistance that in turn reduces energy consumption. The PREDATOR will save over \$90 per year per filter when upgrading from a rigid R-Cell – making the upgrade from an R-Cell a net savings.

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%

MEDIA

The PREDATOR uses a micro-fiber media that allows for high efficiency and does not utilize an electrostatic charge to increase efficiency so efficiency degradation is not 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.



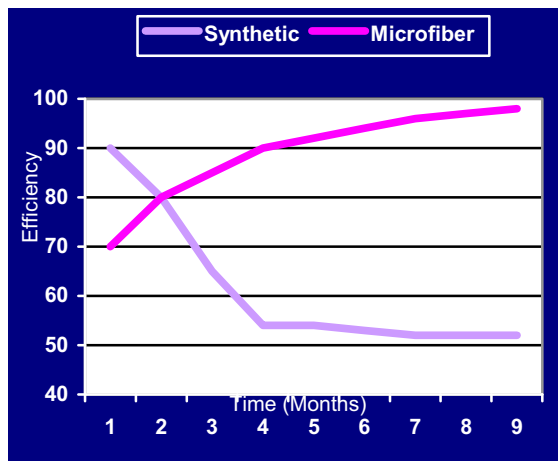


LIGHT WEIGHT

The PREDATOR weighs less than 12 pounds for a 24x24x12 filter. This is almost 50% less than a conventional ASHRAE box filter. The benefit is in reduced freight and reduced fatigue of maintenance staff.

FRAME

The PREDATOR utilizes an all plastic frame that reduces the unnecessary weight and allows for easy disposal either by compacting or incineration. The uniquely designed frame also allows for the PREDATOR to be used in all installation applications so the PREDATOR can be used to easily replace any current high efficiency filter.

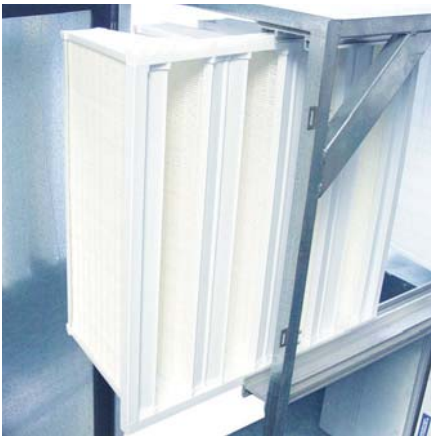


SYNTHETIC EFFICIENCY DEGRADATION

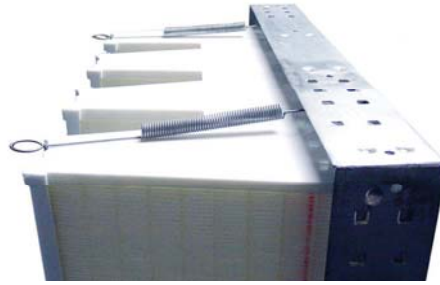
The real world problem of efficiency degradation in synthetic electrostatically charged medias could dramatically reduce the effectiveness of your expensive, high efficiency filters. Efficiency degradation is caused when the charged electrostatic fibers become coated with fine particles, thus reducing the electrostatic charge and the filter efficiency. The net result is an expensive high efficiency filter that does not perform up to the efficiencies expected or demanded. The PREDATOR 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.

EASY REPLACEMENT

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



Side Access Applications



Close-up of Front or Rear Load Spring Attachment



Front or Rear Load Applications

OTHER PREDATOR OPTIONS

The PREDATOR Series also offers the PREDATOR II, a four panel V-Cell and the PREDATOR VR, a double-header version of the PREDATOR.



The PREDATOR II (*left*) is an economical V-Cell available in 60-65%, 80-85% and 90-95% efficiencies. The PREDATOR II is an excellent replacement for R-Cell type filters.

The PREDATOR VR (*right*) is the PREDATOR with a metal 'wrap' to offer the PREDATOR in a double-header option for use in applications that will not accept a single header filter.



SPECIFICATIONS

MEDIA:

GLASS MICROFIBER

FRAME MATERIAL:

ALL PLASTIC

RATED EFFICIENCIES:

ASHRAE 52.2 (ASHRAE 52.1)

MERV 11 (60-65%)

MERV 13 (80-85%)

MERV 14 (90-95%)

MERV 15 (98%)

(Media Rating) 95% DOP

(Media Rating) 98% DOP

UL 900 CLASS 2

MEDIA AREA: (98% DOP in italics)

24x24x12 200 SQ. FT. (240 SQ. FT.)

24x20x12 160 SQ. FT. (197 SQ. FT.)

24x12x12 100 SQ. FT. (107 SQ. FT.)

INITIAL RESISTANCE: @ 500 FPM

60-65% 0.27" W.G.

80-85% 0.33" W.G.

90-95% 0.37" W.G.

98% 0.80" W.G.

95% DOP 0.80" W.G.

98% DOP 0.70" W.G.

FINAL RESISTANCE: 1.50" W.G.

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice.

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