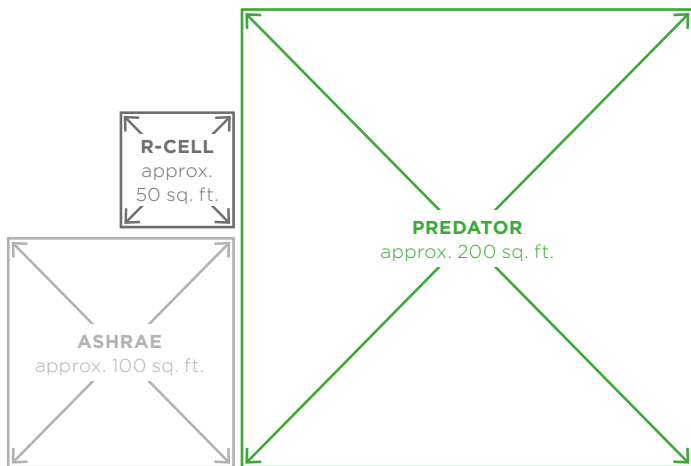




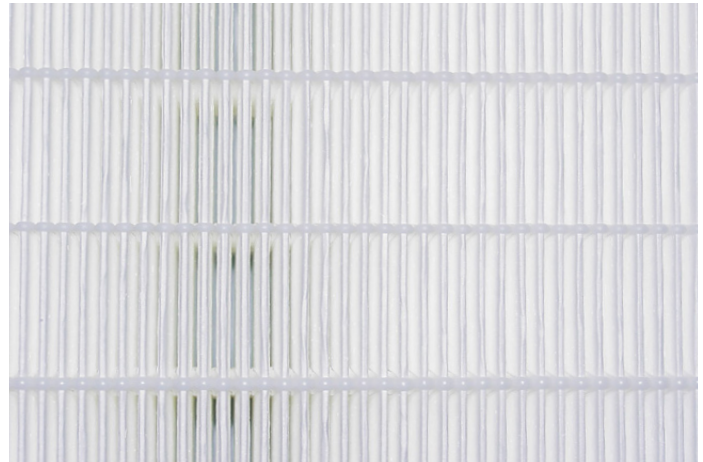
Predator
High Efficiency
V-Cell Filter

Predator

Trusted high efficiency



Installed media area size comparison



The Predator media pack.

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 a 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.

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.

Increased surface area also leads to lower operating resistance - lower resistance leads to a reduction in energy consumption, an important goal in most corporate Green Initiative programs.

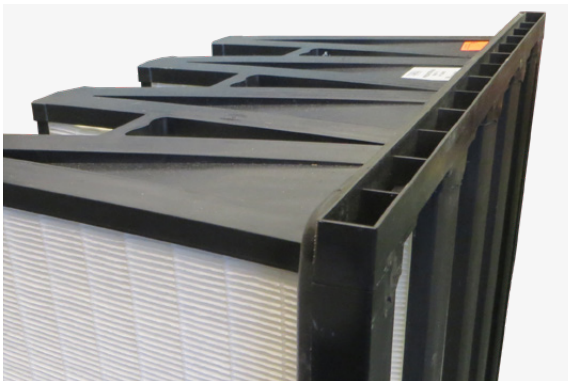
MEDIA

The Predator uses a micro-fiber glass media that allows for high efficiency and does not utilize an electrostatic charge to increase efficiency. The Predator offers 'mechanical' 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 around 13 lbs for a 24 x 24 x 12" filter. This is over 40% less than a conventional ASHRAE box filter. The benefit is in reduced freight and reduced fatigue of maintenance staff.

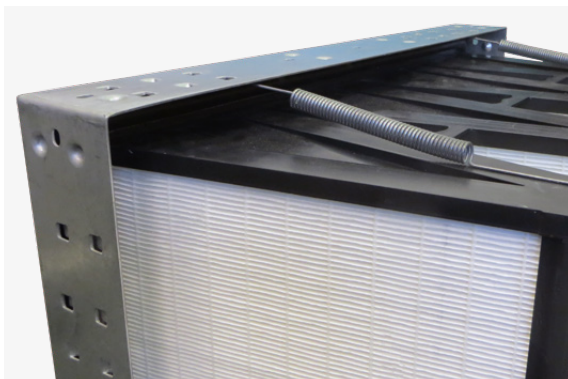
Real-world efficiency Performance where it counts



Predator features a lightweight but strong frame.



Close-up of front or rear load spring attachment



Front or rear load applications

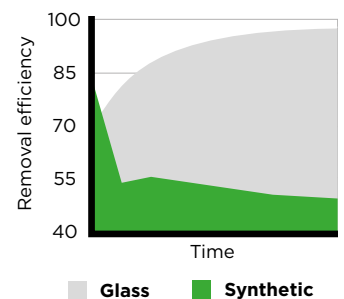
FRAME

The Predator utilizes a plastic frame with plastic struts that help to minimize weight (see left) and allow easy disposal. The frame pieces are constructed from recycled content. The uniquely designed frame means that the Predator can be used in all types of installation as an easy replacement for existing high efficiency filters. The Predator is also available in a double header configuration for required applications – the Predator VR.

SYNTHETIC EFFICIENCY DEGRADATION

The real world problem of efficiency degradation in electrostatically charged medias can dramatically reduce the effectiveness of 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.

Synthetic vs Glass



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.

Predator

Technical Data

SPECIFICATIONS

Product	Predator
Media	Glass microfiber
Frame	Plastic frame with plastic struts. Optional – double header frame
Seal	Perimeter adhesive seal
Rated efficiencies ASHRAE 52.2 (ASHRAE 52.1)	MERV 11 (60 - 65%) MERV 13 (80 - 85%) MERV 15 (90 - 95%) MERV 16 (98%)
Initial resistance @ 500 FPM MERV 11 (60 - 65%) MERV 13 (80 - 85%) MERV 15 (90 - 95%) MERV 16 (98%)	 0.27 "W.G. (67 Pa) 0.33 "W.G. (82 Pa) 0.37 "W.G. (92 Pa) 0.80 "W.G. (199 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 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