



Tri-Cube MERV 13
Extended-Surface
Cube Filter

Tri-Cube MERV 13 Extended-Surface Cube Filter

FEATURES

- LEED points
- Depth-loading media
- Extended surface area
- Trapezoid shape
- Self gasketing
- Reduced waste to landfill
- Extended filter service life
- Mold/mildew resistant
- Post-consumer recycled content



TRI-CUBE™ MERV 13

Tri-Dim's innovative Tri-Cube MERV 13 filter offers high efficiency and LEED points with all the features and benefits of the conventional Tri-Cube filters.

DEPTH-LOADING MEDIA

Tri-Dek® media utilizes different layers or deniers of media arranged from coarsest to finest to create a depth-loading arrangement. The media is a unique needle felted, electrostatic-blended synthetic material. Larger particles are captured on the air-entering side of the media and, as the air works its way through the media, finer particles are removed.



Depth loading media

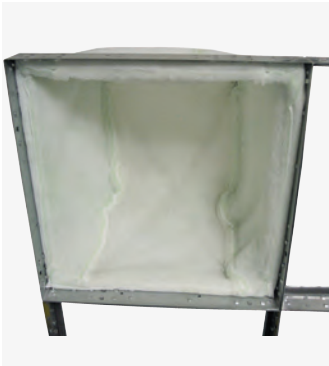
This approach maximizes filter life especially when compared to pleated filters that utilize the 'strainer' method of filtration. Media contains 11% post-consumer recycled content.

EXTENDED SURFACE AREA

The Tri-Cube MERV 13 filter offers extended surface area in a unique trapezoid shape to maximize performance.

The benefits of more surface area are a longer filter service life and a lower operating resistance (pressure drop). These will help you achieve lower energy cost, reduced filter-related cost, higher efficiency, cleaner air handler surfaces, and reduced landfill waste. And these can help you achieve additional LEED credits.

Tough and resistant Up to the challenges of your application



SELF GASKETING

The Tri-Cube filters use an integral wire support that is heat sealed into the media. This in turn creates the self-gasketing perimeter edge. The self-gasketing eliminates the bypass of contaminated unfiltered air around the filter. This perimeter edge allows for a 'friction' fit that eliminates the need for cumbersome holding clips in some applications.

MOLD/MOISTURE RESISTANT

Tri-Dek media is resistant to moisture and microbial growth – much more so than traditional cardboard-framed filters, which inherently hold moisture regardless of what protective coatings are used. This means the frame will eventually deteriorate and can blow out of the air handler. The presence of moisture is also one of the key components for the growth of microbials.

Microbial growth in an HVAC system can have a detrimental affect on the health of the building occupants. Microbial growth can increase allergy and asthma attacks, and depending upon the specific microbial can cause illnesses - including those that are severe. Tri-Cube filters use no cardboard or other materials that hold moisture. In fact, synthetic media and a galvanized internal wire support frame are the only materials utilized.

LEED CREDITS

1 Point – Indoor Environmental Quality - IEQ Credit 1.4: IAQ Best Management Practices: Reduce Particulates in Air Distribution

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.

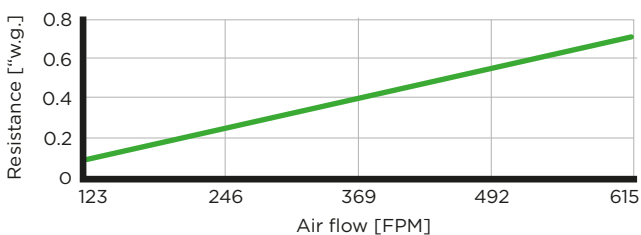
Additional LEED Credits may exist.

Tri-Cube MERV 13 Specifications

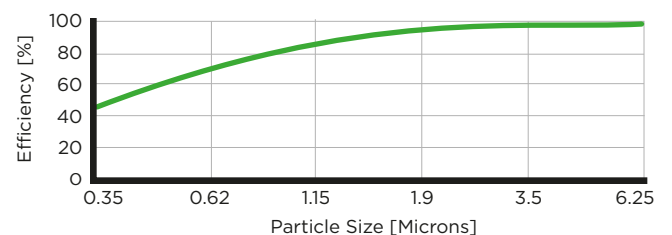
SPECIFICATIONS

Product	Tri-Cube MERV 13
Media	Needle-felted electrostatic blended synthetic. 11% post-consumer recycled content
Frame	Galvanized steel
Seal	Thermally generated and sewn
Efficiency	MERV 13
Initial resistance 10" Deep 375 FPM (1.90 m/sec)	0.69 "W.G. (172 Pa)
15" Deep 375 FPM (1.90 m/sec) 500 FPM (2.54 m/sec)	0.50 "W.G. (124 Pa) 0.73 "W.G. (182 Pa)
20" Deep 375 FPM (1.90 m/sec) 500 FPM (2.54 m/sec)	0.35 "W.G. (97 Pa) 0.57 "W.G. (142 Pa)
Recommended final resistance	1.5 "W.G. (373 Pa)

INITIAL RESISTANCE (20"-deep cube)



FRACTIONAL REMOVAL EFFICIENCY



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 $\pm 5\%$ variance in filter performance.

LOCAL REPRESENTATIVE