

The TRI-DEK® **REVOLUTION**



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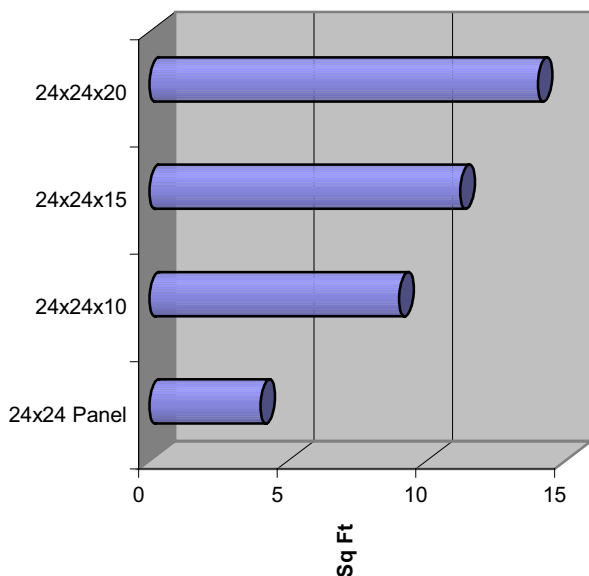
In 1968 Tri-Dim was founded by John Stanley, Tri-Dim's CEO and Chairman of the Board, to develop, manufacture and market filtration products by engineering medias from the ground up to be an air filter. This revolutionary approach generated the invention of TRI-DEK – the first depth loading synthetic media that was developed from the ground up as a filtration media. As a result of this 'ground-up' development, TRI-DEK medias utilize three principles of air filtration resulting in superior filter efficiency, extraordinary service life, moisture and mold resistance and a filter that eliminates air bypass.

## TRI-DEK – HOW IT WORKS

TRI-DEK 15/40 media utilizes three different medias that are arranged from the coarsest to the finest – a depth loading arrangement allows for particulate to be captured throughout the depth of the media unlike 'strainer' type pleat media that typically utilizes only the surface to capture dirt. This difference is how the TRI-CUBE 15/40 provides superior efficiency, extended service life and mold/moisture resistance.



MEDIA AREA



## ADVANTAGE TRI-CUBE – EXTENDED SURFACE

TRI-CUBE 15/40 filters offer all of the advantages you have come to expect from TRI-DEK and then add the extended surface of the cube filter and the benefits are multiplied.

More media equates to longer service life, fewer filter change outs, reduced change out labor, lower resistance, lower energy cost, higher removal efficiency, cleaner coils and cleaner interior surfaces. TRI-CUBE 15/40 filters offer true 'Value-In-Use' with high efficiency and low 'In-Use' Cost.

## ADVANTAGE TRI-CUBE – TRAPEZOID SHAPE

The TRI-CUBE 15/40 filters are constructed utilizing a unique 'Trapezoid' shape. This 'Trapezoid' shape offers many advantages over the traditional 'Box' square-shaped cubes - it allows for total media utilization. Box Shaped Cubes will blind each other off in use – that is the media from different filters will touch each other canceling the advantages of the extended surface - increasing the resistance and shortening service life. The TRI-CUBE'S engineered design will maximize the filters performance – resistance service life and efficiency.



## ADVANTAGE TRI-CUBE – SELF-GASKET

TRI-CUBE filters utilize an integral wire support that is heat sealed into the media – this in turn creates the self-gasketing perimeter edge. The self-gasketing eliminates dirty air bypass around the filter. This perimeter edge also allows for a 'friction fit' that eliminates the need for cumbersome holding clips in most systems.

## ADVANTAGE TRI-CUBE – MULTIPLE POCKETS

TRI-CUBE filters are also available with optional multiple pockets. These filters are perfect for high dirt load environments. These additional pockets add more media area, which just adds to the benefits – higher dust holding capacity, longer life, reduced change-out labor, reduced resistance to airflow, energy savings and cleaner equipment.





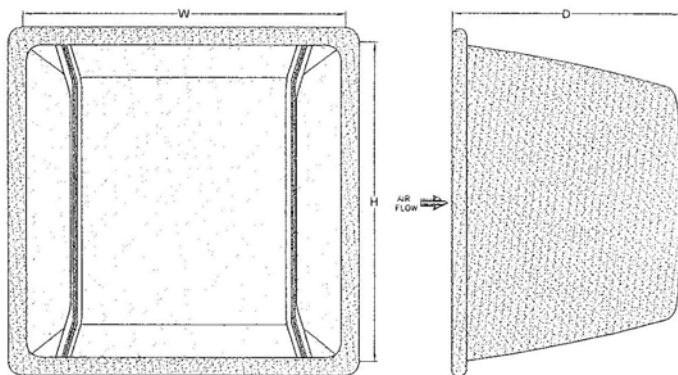
## ADVANTAGE TRI-CUBE – METAL HEADER

For side access applications where a one-inch filter track is utilized Tri-Dim offers the TRI-CUBE filters with an optional nominal one-inch metal header to allow for easy retrofit into current HVAC systems.

# TECHNICAL INFORMATION

## SPECIFICATIONS

<b>MEDIA</b>	Synthetic, 3 deniers
<b>FRAME</b>	Galvanized Wire
<b>SEAL</b>	Thermally generated and sewn
<b>RESISTANCE @ 500 FPM (2.54 m/sec)</b>	
10" Deep	0.22" W.G. (55 PA)
15" Deep	0.19" W.G. (47 PA)
15" Deep 2 Pocket	0.20" W.G. (50 PA)
15" Deep 3 Pocket	0.22" W.G. (55 PA)
20" Deep	0.19" W.G. (47 PA)
20" Deep 2 Pocket	0.19" W.G. (47 PA)
20" Deep 3 Pocket	0.23" W.G. (57 PA)



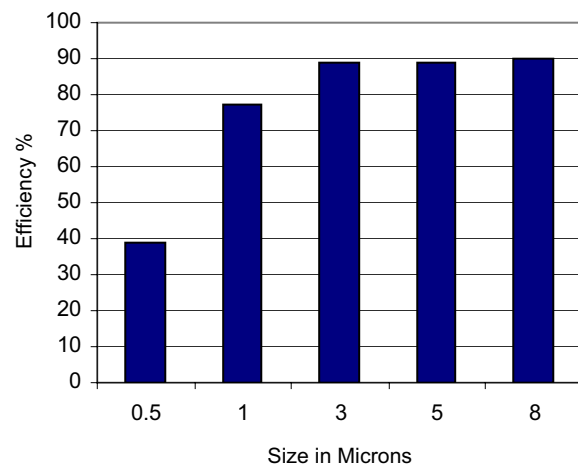
## OPTIONS

**ANTIMICROBIAL TREATMENT – EPA**  
Approved treatment to control the growth of microbials within the filter.

**UL CLASS 1** – per UL Standard 900, UL Class 2 is standard.

**REVERSE CUBE** – for applications that have space limitation behind the filter bank – see Brochure #700-1.

### AVERAGE EFFICIENCY 15/40 3-PLY



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