



TRI-PLEX® 85

Heavy Duty Disposable Panel Filters

*Innovative
Clean Air
Solutions*

Designed for Heavy Industrial and Commercial Applications

- Heavy duty two piece die cut frame
- Industrial grade fiber glass pad
- Heavy application of dirt holding adhesive
- Optional scrim backing

Applications

Tri-Plex 85 filters are designed for commercial and industrial applications requiring a premium grade fiber glass prefilter. They are also used extensively in single stage air filtration systems with heavy dirt loading conditions, higher velocities (up to 625 FPM), turbulence or variable volume.

Two Piece Die Cut Frame Holds Up Under Difficult Operating Conditions

The Tri-Plex 85 frame is made from two mating pieces of die cut beverage board that form a double wall around the entire perimeter of the filter. Diagonal cross members that support the media pad on both sides are an integral part of the die cut frame.

Extra Heavy Duty Media Pad Holds More Dirt

The Industrial Grade media pad has a very high fiber density to hold dirt throughout the entire depth of the filter. No faceloading. The back of the pad has a dense layer of fibers formed into a skin to serve as a final particle barrier.

The entire thickness of the media is treated with a heavy application of adhesive to hold dirt particles and prevent them from returning to the air stream.



Optional Scrim Backing

For an extra barrier to prevent particle migration, Tri-Plex 85 filters are available with a nonwoven scrim backing on the air leaving side.

Performance Data		
	1"	2"
Initial Resistance:	.10" w.g. @300 FPM	.17" w.g. @500 FPM
Average Arrestance:	75-80%	75-80%
Recommended Final Resistance:	1.0" w.g.	1.0" w.g.

Standard Sizes

Nominal Size (Inches) (W x H x D)	Actual Size (Inches) (W x H x D)	Air Flow Capacity 1" @ 300 FPM 2" @ 500 FPM
16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	670
16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	840
20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	840
20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	1050
24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	1200
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	1000
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	1120
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	1400
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	1400
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	1670
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	1750
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	2000

U.L. Classification: Tri-Plex 85 filters are classified U.L. Class 2.



Airguard has a policy of continuous product research and development and reserves the right to change design and specifications without notice.

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