KA-303-A

AIRGUARD®
a CLARCOR company

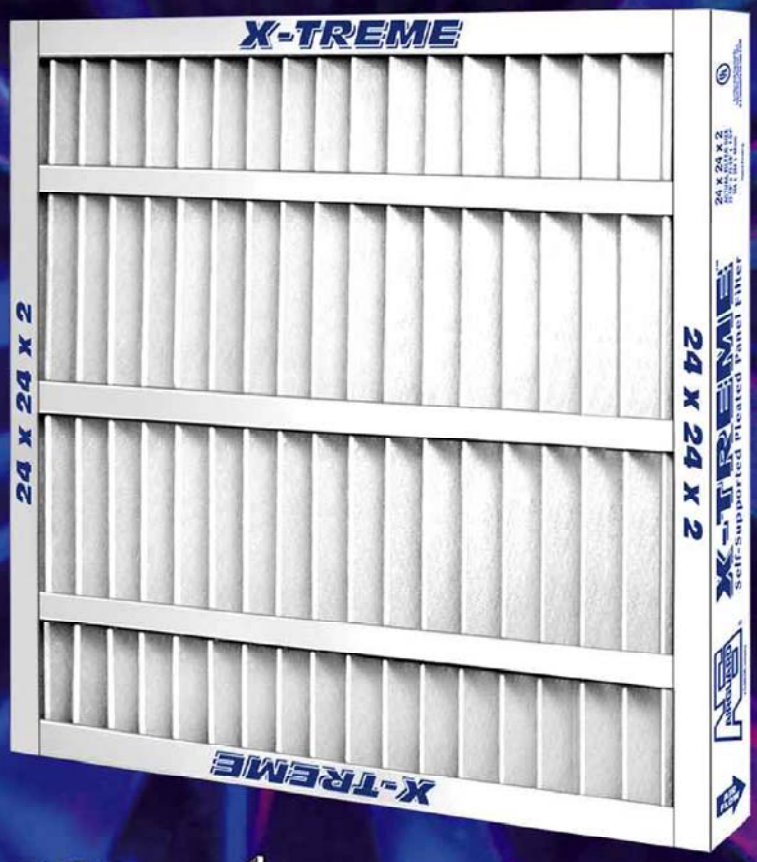
X-TREME™

Self-Supported Pleated Panel Filters

Innovative Clean Air Solutions

Raising Pleats to the Power of X

- MERV 7 (Mechanical)
- 100% Synthetic Media
- Self-Supported
- Damage Resistant
- No Metal
- Fully Incinerable
- Low Resistance



AIRGUARD ISO-9001 QUALITY SYSTEM
UL CERTIFICATE A4915

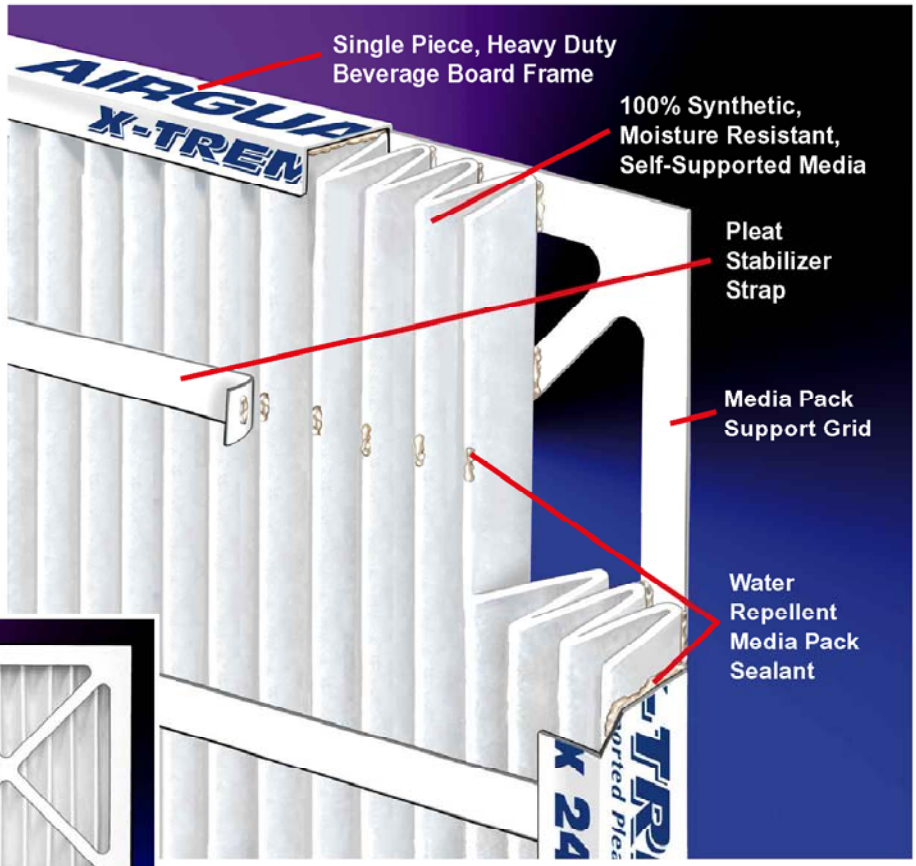
X-TREME™

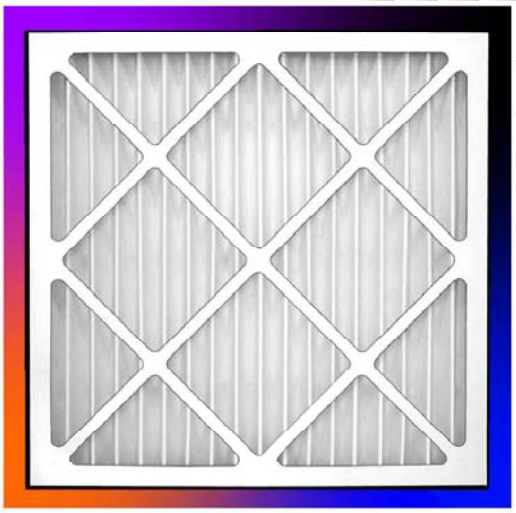
Self-Supported Pleated Panel Filters

Exceeds ASHRAE Standard 62 air cleaning specifications for filters installed upstream of cooling coils.

Self-Supported Media Produces Totally Consistent Pleat Shape and Spacing

The inherent strength and stiffness of the unique X-Treme media result in totally consistent pleat shape, pleat spacing and pleat height. Uniform pleat shape and spacing produce optimum performance, including uniform dirt loading, high dust holding capacity, long service life, low resistance. No pleat bunching, no media blockage.





Consistent pleat shape and spacing allow dirt to collect evenly over the entire surface of the media. Pleat stabilizer straps add rigidity and maintain proper pleat spacing. Inset photo of air leaving side shows the integral media pack support grid.

Heavy Duty Single Piece Frame Reinforced with Pleat Stabilizer Straps

X-Treme pleats are built tough to hold up in all types of operating conditions. The media pack is contained in a single piece beverage board frame for high moisture resistance and long service life. The frame has an integral media pack support grid on the air leaving side reinforced with pleat stabilizer straps on the air entering side.

The grid provides necessary support to the pleat pack as the dirt load builds and resistance rises. The stabilizer straps add rigidity to the filter assembly and maintain uniform pleat spacing to maximize dirt loading.

Excellent Memory – No Pleat Deformation, Damage Resistant

The high strength, stiff media has excellent memory and resiliency. If it is damaged or deformed in any way, it snaps back to its original shape with no loss of structural integrity. Shipping and handling damage are largely a thing of the past with X-Treme pleats. They take a beating and keep on working.

Patent Pending

Go to X-TREME for
- *Performance*
- *Value*
- *Durability*
- *Low Resistance*

Moisture Resistant, 100% Synthetic Media (Uncharged)

X-Treme media is a unique blend of synthetic fibers formed into a rigid mat with high strength and high stiffness characteristics. The inherent strength provides rugged durability in operation. Stiffness allows totally consistent pleating. Blended fiber construction allows full depth loading for high dust holding capacity. The media is unaffected by high humidity or moisture and does not support microbial growth.

X-Treme filter media operates totally on mechanical filtration principles which causes efficiency to increase as the filters load. It is not enhanced with an electrostatic charge.

100% Adhesive Application – Assures Filter Integrity

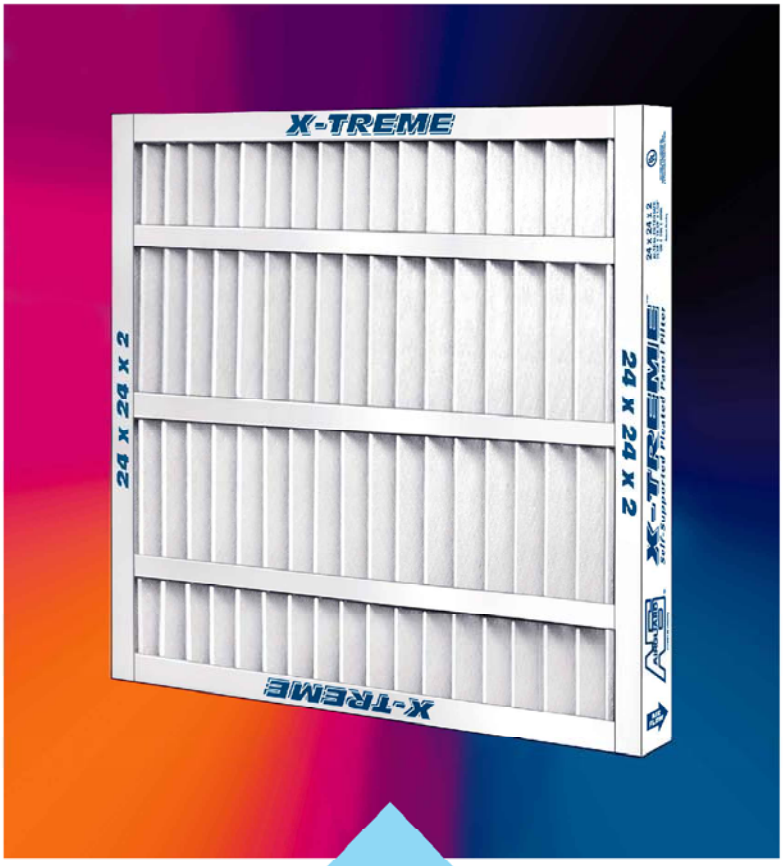
The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact with the media pack. The pack is sealed inside the frame and the pleat tips are bonded to the stabilizers and diagonal support members.

Water Repellent Adhesive – Adheres Even When Wet

The sealant used to bond the frame and media pack into a unitized assembly is highly water repellent. The filters maintain structural integrity even when wet. No delaminating, no excessive buckling, no collapsing.

No Metal Components. Fully Incinerable, No Rust

Self-supported X-Treme filters eliminate the need for a metal backing to shape the pleats. They are fully incinerable, simplifying disposal. Metal-free construction is rust-free and also eliminates sharp edges which could injure maintenance personnel.



It's all about Engineering with Imagination

X-Treme pleats are the result of combining creative engineering with imagination. Through effective use of materials, media development and a breakthrough in automated assembly techniques, X-Treme pleats set a new standard for pleated filter construction and performance.

X-Treme Pleats Product Information

Nominal Size (2) (In.) W x H x D	Actual Size (In.) W x H x D	Rated Air Flow Capacity (CFM)			Gross Media Area (Sq. Ft.)
		300 FPM	500 FPM	625 FPM	
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	425	700	870	4.7
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	840	1050	5.2
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	600	1000	1250	5.6
14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	590	980	1220	5.7
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	730	1220	1525	7.1
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	630	1050	1310	6.2
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	670	1120	1400	6.7
16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	800	1340	1670	8.0
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	840	1400	1750	8.4
18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	750	1250	1570	7.8
18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	900	1500	1875	9.3
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	940	1570	1960	9.7
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	840	1400	1750	8.4
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	1000	1670	2090	9.9
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	1050	1750	2170	10.3
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	1200	2000	2500	11.7
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	1310	2170	2720	13.6

1. All performance data is based on the ASHRAE 52.2 Test Standard
2. Filters may be installed with the pleats either vertical (preferred) or horizontal

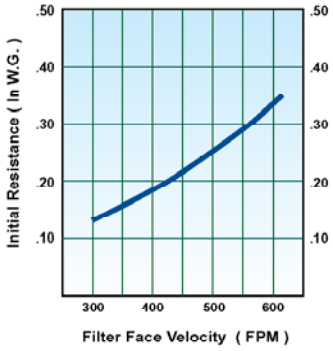
Underwriters Laboratories, Inc. Classification: X-Treme filters are classified U.L. Class 2 per U.L. Standard 900.

Operating Temperature Limite: Maximum operating temperature is 150°F (65°C).

Performance Data

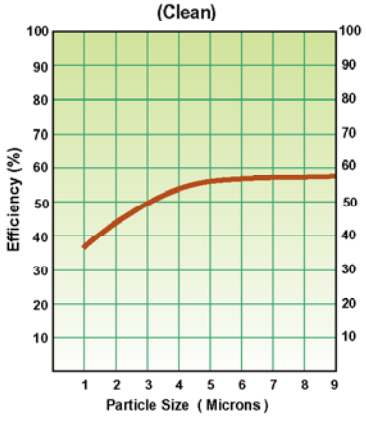
MERV Rating ____ 7
Initial Resistance (In. W.G.)
@300 FPM ____ .12"
@500 FPM ____ .26"
Recommended
Final Resistance ____ 1.0"

Initial Resistance vs. Filter Face Velocity



Efficiency by Particle Size

(Clean)



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