



# STREAMLINE™

*Synthetic Air Filter Medias*



**Service Frame**

**StreamLine Media**



## Applications

StreamLine is a broad line of non woven synthetic air filter medias offering excellent performance characteristics for a variety of applications:

- General Ventilation - Central HVAC systems and unitary equipment
- Prefilters for higher efficiency filters
- V-Bank blanket filter systems
- Drum Filters
- Card cleaning systems
- Primary filtration for the food industry
- Applications where fiber glass is restricted

## Full Depth Loading Increases Dust Holding Capacity

The use of thermally bonded, multi-denier fibers improves the depth loading characteristics of the media by creating the proper balance of fiber density, resistance and compression strength. High compression strength enables the media to maintain its full thickness in operation as resistance rises. Dirt is collected throughout the depth of the media – no face loading. Stratified multi-layered medias (DL-Series) further enhance depth loading by incorporating a built in prefilter layer into the fiber arrangement.

## Pressure Sensitive Tackifier Enhances Particle Retention

StreamLine medias have a pressure sensitive dry tackifier applied from the air leaving side to hold dirt particles on the fibers. The dry tack retains its adhesive characteristics over the life of the filter to prevent particles from migrating down stream.

The tackifier is applied deep into the media, not just on the outer surface as with some competitive products. The deeper the adhesive penetrates into the media, the better it retains particles, even at higher velocities or under turbulent conditions.

## Soft and Pleasant to Handle

Polyester media is soft to the touch and easy to handle, yet tough and durable. It is unaffected by moisture and can withstand temperatures from -40°F to 220°F.

# Choose From Three Different Media Designs

## Product Summary

Media	Thickness	Color	Media Construction	Tac
P-Series				
P-50	1/2"	White	Blended Dual Denier	Light
P-100	1"	Blue/White	Blended Dual Denier	Light
P-200	2"	Orange	Blended Dual Denier	Light
DL-Series				
DL-100	1"	Orange	Stratified Multi Denier	Heavy
DL-200	2"	Orange	Stratified Multi Denier	Heavy
Bio•Pure Antimicrobial Treated Media				
AM-50	1/2"	Yellow	Blended Dual Denier	Light
AM-100	1"	Yellow	Blended Dual Denier	Light
AM-200	2"	Yellow	Blended Dual Denier	Light

## Product Selection and Application Guide

Product/Applications	Construction
<p><b>P-Series</b> Standard Grade Media - for light to moderate dirt loading conditions</p>	Blended dual denier fibers, constant density construction - Light tack - 2" media available with a scrim net backing for enhanced media stability and durability.
<p><b>DL-Series</b> Industrial Grade Media for moderate to heavy dirt loading conditions.</p>	Progressive density construction - Heavy tack - Stratified fiber arrangement forms two distinct layers - Prefilter layer is a blend of coarser fibers. Final filter layer is a blend of finer denier fibers. A scrim net backing adds media stability and durability.
<p><b>Bio•Pure AM-Series</b> Antimicrobial treated media for use to inhibit growth of microorganisms on air filters where indoor air quality is a concern.</p>	Blended dual denier fibers, constant density construction - Light tack

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## Product Availability

Size	P-50 1/2" x 135'	P-100 1" x 90'	P-200 2" x 60'	DL-100S 1" x 65'	DL-200S 2" x 45'	AM-50 1/2" x 120'	AM-100 1" x 75'	AM-200 2" x 45'
<b>Pads</b>								
12x24	X	X	X			X	X	X
16x20	X	X	X			X	X	X
16x25	X	X	X			X	X	X
20x20	X	X	X			X	X	X
20x25	X	X	X			X	X	X
24x24	X	X	X			X	X	X
<b>Rolls</b>								
7"	X							
8"	X	X				X	X	
9"	X							
10"	X	X				X	X	
12"	X	X				X	X	
14"	X							
16"	X	X	X	X	X	X	X	X
20"	X	X	X	X	X	X	X	X
24"	X	X	X	X	X	X	X	X
25"	X	X	X	X	X	X	X	X
30"	X	X	X	X	X	X	X	X
36"	X	X	X	X	X	X	X	X
40"	X	X	X	X	X	X	X	X
48"	X	X	X	X	X	X	X	X
60"	X	X	X	X	X	X	X	X
69"				X	X			
72"	X	X	X			X	X	X
82"	X	X	X			X	X	X

## Product Data

Media Type	Thickness	Initial Resistance @300 FPM (in W.G.)	Average Arrestance
<b>P-Series</b>			
P-50	1/2"	.12	85%
P-100	1"	.16	86%
P-200	2"	.20	88%
<b>DL-Series</b>			
DL-100S	1"	.16	88%
DL-200S	2"	.22	90%
<b>Bio•Pure</b>			
AM-50	1/2"	.12	85%
AM-100	1"	.16	86%
AM-200	2"	.20	88%

\* Performance data is based on the ASHRAE 52.1-1992 test method. Tolerances conform to ARI Standard 850-93.

### Recommended Final Resistance

1/2" - .5" W.G.

1" - 1.0" W.G.

2" - 1.0" W.G.

Underwriters Laboratories, Inc.

### Classification

All StreamLine and Bio•Pure medias are classified U.L. Class 2.

### Operating Temperature Limit

Continuous - 220° F

ATI-STREAM-608



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