

# STREAMLINE™

Synthetic Air Filter Media



Service Frame

StreamLine Media



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## Synthetic Air Filter Media



### Applications

StreamLine is a broad line of non-woven synthetic air filter media 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 media (DL-Series) further enhance depth loading by incorporating a built in prefilter layer into the fiber arrangement.

### Pressure Sensitive Tackifier Enhances Particle Retention

StreamLine media has 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-100S  | 1"        | Orange     | Stratified Multi Denier | Heavy |
| DL-200S  | 2"        | Orange     | Stratified Multi Denier | Heavy |
| Bio•Pure AM-Series (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><br/>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><br/>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><br/>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<br>1/2" x 135' | P-100<br>1" x 90' | P-200<br>2" x 60' | DL-100S<br>1" x 65' | DL-200S<br>2" x 45' | AM-50<br>1/2" x 120' | AM-100<br>1" x 75' | AM-200<br>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.) | MERV |
|------------------|-----------|---------------------------------------|------|
| <b>P-Series</b>  |           |                                       |      |
| P-50             | 1/2"      | .08                                   | 6    |
| P-100            | 1"        | .12                                   | 7    |
| P-200            | 2"        | .14                                   | 7    |
| <b>DL-Series</b> |           |                                       |      |
| DL-100S          | 1"        | .15                                   | 7    |
| DL-200S          | 2"        | .16                                   | 7    |
| <b>Bio•Pure</b>  |           |                                       |      |
| AM-50            | 1/2"      | .08                                   | 6    |
| AM-100           | 1"        | .12                                   | 7    |
| AM-200           | 2"        | .14                                   | 7    |

\* Performance data is based on the ASHRAE 52.2-2007 test method. Tested at 295 FPM on 24x24 face size.

#### 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 media are classified per UL Standard 900 for flammability.

#### Operating Temperature Limit

Continuous - 220° F

**⚠ WARNING:** This product can expose you to chemicals, including formaldehyde and titanium dioxide, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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