



# Product Bulletin

**Subject: Fiberglass Automatic Roll Filter Medias**  
**For use in Automatic Roll Filter Equipment**

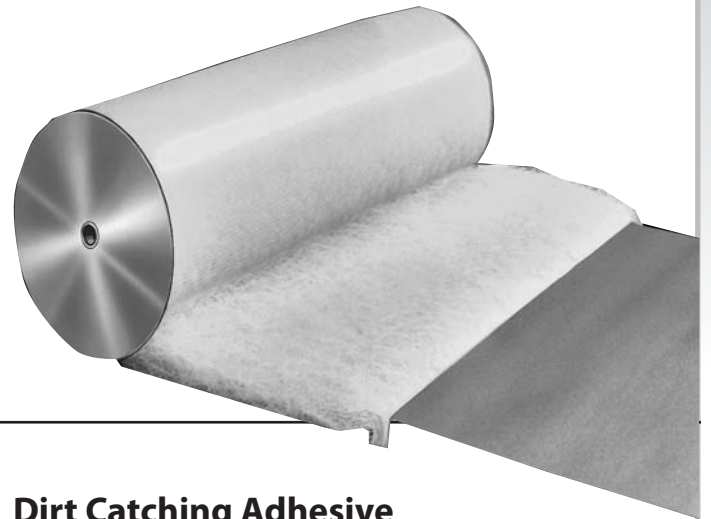
## Applications

Airguard fiberglass automatic roll filter medias are designed for use in automatic, self-renewing air filter machines. The media is wound on a core designed to fit into the supply section of all major brands of equipment including:

|           |             |
|-----------|-------------|
| Airguard  | Carrier     |
| Air Maze  | Commercial  |
| AAF       | Continental |
| BLC       | Farr        |
| Cambridge | Trane       |

## Construction

The media is made from continuous filament glass fibers formed into a high loft mat (2 1/2" thick) for low resistance and high dust holding capacity.



## High Compression Strength

A thermo-bonded resin applied during the spinning process forms a strong bond at each fiber intersection to provide high compression strength. As resistance increases, high compression strength enables the media to maintain its full thickness and prevent collapsing. Compression strength also enables the media to spring back to its full thickness as it unwinds off the roll.

## Progressive Density Media Construction

The media is spun with a more open fiber pattern on the air entering side and a denser pattern on the air leaving side. This progressive density fiber arrangement allows dirt particles to penetrate deeper into the media. Utilizing the full depth of the media prevents face loading and increases dust holding capacity.

## Dirt Catching Adhesive

Airguard medias are coated with an adhesive to catch and hold dirt particles. Types CF and YTS have an oil base adhesive that saturates dirt particles and prevents them from breaking away from the fibers. Type SHP utilizes a gel type adhesive that has higher viscosity providing superior dirt holding characteristics.

## High Tensile Strength

A synthetic mesh netting on the air leaving side of the media provides the strength to maintain full roll width as the roll advances. Insufficient tensile strength allows the media to "neck", causing it to pull out of the side channels creating bypass.

# Product Bulletin

Fiber Glass Automatic Roll Filter Medias (For Use in Automatic Roll Filter Equipment)

| Application Guide             |   |                               |
|-------------------------------|---|-------------------------------|
| Type CF                       | Type YTS                                  | Type SHP                      |
| Commercial Grade              | Industrial Grade                          | Supreme Grade                 |
| Light Dirt Loading Conditions | Moderate to Heavy Dirt Loading Conditions | Heavy Dirt Loading Conditions |

| Construction/ Performance           |          |          |          |
|-------------------------------------|----------|----------|----------|
|                                     | Type CF  | Type YTS | Type SHP |
| <b>Size</b>                         |          |          |          |
| Roll Length                         | 65'      | 65'      | 65'      |
| Roll Width                          | ①        | ①        | ①        |
| Media Thickness                     | 2 1/2"   | 2 1/2"   | 2 1/2"   |
| Color                               | Blue     | Yellow   | Green    |
| <b>Adhesive</b>                     | Oil      | Oil      | Oil      |
| <b>Performance</b>                  |          |          |          |
| Initial Resistance                  | .16"     | .18"     | .24"     |
| (In. W.G. @ 500 FPM)                |          |          |          |
| Recommended Upper                   | .50"     | .50"     | .50"     |
| Operating Resistance                |          |          |          |
| (In. W.G.)                          |          |          |          |
| Arrestance                          | 70 - 75% | 80 - 85% | 85 - 90% |
| <b>Operating Temperature Limits</b> | 175° F   | 175° F   | 175° F   |

All performance data is based on ASHRAE Standard 52.1-1992.

①Rolls are sized to fit on the cores of all major brands of auto roll equipment.

**Underwriters Laboratories, Inc. Classification**

Types CF, YTS and SHP automatic roll filter medias are Classified U.L. Class 2. Testing was performed according to U.L. Standard 900.

A-PBAUTO-FG-1108



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