



# PRODUCT BULLETIN

**SUBJECT: FIBER GLASS AUTOMATIC ROLL FILTER MEDIAS**  
**For Use in Automatic Roll Filter Equipment**

Bulletin No. PB 114.8

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## Applications

Airguard fiber glass 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	Commercial
Air Maze	Continental
AAF	Farr
BLC	MSA
Cambridge	Trane
Carrier	

## 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.

## Construction

The media is made from continuous filament glass fibers formed into a high loft mat (2½" thick) for low resistance and high dust holding capacity.

## 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.



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

<b>Application Guide</b>		
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

<b>Construction/Performance</b>			
	Type CF	Type YTS	Type SHP
<b>Size</b>			
Roll Length	65'	65'	65'
Roll Width	①	①	①
Media Thickness	2½"	2½"	2½"
Color	Blue	Yellow	Green
<b>Adhesive</b>	Oil	Oil	Gel
<b>Performance:</b>			
Initial Resistance (In. W.G. @ 500 fpm)	.16"	.18"	.24"
Recommended Upper Operating Resistance (In. W.G.)	.50"	.50"	.50"
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. Tolerances conform to ARI Standard 850-93.

① Rolls 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.