



PRODUCT BULLETIN

SUBJECT: SYNTHETIC AUTOMATIC ROLL FILTER MEDIAS
For Use in Automatic Roll Filter Equipment
Bulletin: PB 114. 4

Applications

Airguard polyester 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
AAF	Continental
Air Maze	Farr
BLC	MSA
Cambridge	Trane
Carrier	

Construction

The media is made from recycled polyester fibers bonded together with a fire retardant resin to form a high loft blanket of resilient fibers.

High Compression Strength Maintains Media Thickness

The inherent high strength of polyester media provides high compression strength. As resistance increases due to the accumulated dirt load, high compression strength enables the media to maintain its full thickness without collapsing.

Tackifier Retains Dirt Load

Types DL-1 and DL-2 auto roll medias have a pressure sensitive tackifier applied to the air leaving side to retain the collected dirt load. The adhesive characteristics of tackified media prevent collected dirt particles from breaking loose and blowing down stream.

High Tensile Strength Prevents Necking, Bypass

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.

Leader and Trailer Facilitate Installation, Handling

Airguard auto rolls are furnished with a heavy kraft paper leader and trailer attached to the front and end of the roll. The leader simplifies installation into the auto roll equipment; the trailer aids in handling the used roll. All rolls are sealed in a poly bag.



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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.

Application Guide			
Type DSF	Type DMC	Type DL-1	Type DL-2
Commercial Grade Light Dirt Loading Conditions	Commercial Grade Light Dirt Loading Conditions	Industrial Grade Moderate Dirt Loading Conditions	Industrial Grade Moderate to Heavy Dirt Loading Conditions

Construction/Performance				
	Type DSF	Type DMC	Type DL-1	Type DL-2
Size				
Roll Length	65'	65'	65'	45'
Roll Width	①	①	①	①
Media Thickness	½"	1"	1"	2"
Color	White	White	Orange	Orange
Adhesive	Dry	Dry	Tack	Tack
Performance				
Initial Resistance (In. W.G. @500 fpm)	.20"	.31"	.18"	.26"
Recommended Upper Operation Resistance (In. W.G.)	.50"	.50"	.50"	.50"
Arrestance	70 – 75%	75 – 80%	85 – 90%	90 – 95%
Operating Temperature Limits	220°F	220°F	220°F	220°F

All performance data is based on ASHRAE Standard 52.1. 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 DSF, DMC, DL-1 and DL-2 automatic roll filter medias are classified U.L. Class 2. Testing was performed according to U.L. Standard 900.