THE WORLD LEADER IN CLEAN AIR SOLUTIONS

# Roll-O-Mat®

## AUTOMATIC ROLL FILTER MEDIA

### Roll-O-Mat® Gold Premium Quality

Roll-O-Mat Gold media provides a combination of high performance and strength.

- 2″ thick media of continuous filament fiberglass
- Heavy application of Viscosine™ adhesive
- Rolls are 65′ long
- Gold tint on air leaving side

### Roll-O-Mat® Green Synthetic

Designed for general air filtration applications where a synthetic media is preferred.

- 100% polyester fibers
- Available ½″ and 1″ thick
- Medium application of Viscosine adhesive
- Rolls are 65′ long
- Green tint on air leaving side

Roll-O-Mat filter media were developed for use in Roll-O-Matic® automatic renewable media air filters. Available in roll widths to fit all filter sizes and all manufacturers' filters, Roll-O-Mat media continues to be the most widely used and most dependable brand in the industry.

### Designed for Dependable Performance

**High Fiber Content**

Roll-O-Mat Gold media has more glass fibers, more than 8½ miles per square foot, than any competitive media. Higher fiber content provides more dirt catching media surface, providing higher arrestance and greater dust holding capacity.

**High Compression Strength Extends Filter Life**

Resin applied to the fiberglass during spinning is cured in an oven to form a strong bond at each fiber intersection. Bonded fibers increase compression strength and prevent faceloading. Air moves throughout the entire thickness of the media utilizing the full cleaning potential of the media.

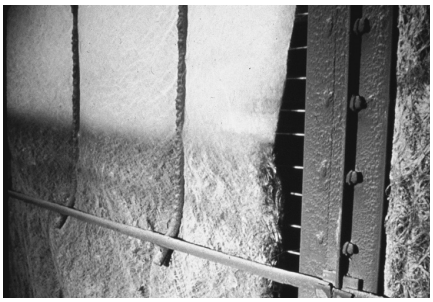
### Progressive Density Increases Arrestance

Fibers on the air entering side are interlaced in an open pattern that becomes progressively tighter. Dirt loads from back to front, taking advantage of the entire thickness of the media. This construction prevents faceloading and increases arrestance and dust holding capacity.


*Progressive Density Media Construction*

AAF | Flanders®

# Roll-O-Mat® Media



*Competitive roll with low tensile strength causes the media to "neck" and pull out of the side channels. Unfiltered air is allowed to bypass the media.*

## Viscosine™ Adhesive Retains Dirt

Viscosine adhesive helps retain particles as they impinge on fibers, preventing them from breaking away and flowing downstream.

## Glass Scrim Prevents Bypass Leakage

A glass scrim on the air leaving side of the media provides high tensile strength to prevent bypass leakage.

## Performance Data

| | Rated Initial Resistance (in. w.g.) | Average Arrestance (Steady State) |
|---|---|---|
| **Rated Media Face Velocity: 500 FPM** | | |
| Roll-O-Mat Gold Media | .18 | 80–85% |
| Roll-O-Mat Green (½″) Media<br>Roll-O-Mat Green (1″) Media | .20<br>.22 | 70–75%<br>70–75% |

All performance data based on ASHRAE Standard 52.2. Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

Recommended upper operating resistance is .5 in. w.g. for all models.

All Roll-O-Mat media may be operated to a higher upper operating resistance, as long as the system design permits.

### Underwriters Laboratories Classification

All Roll-O-Mat media are UL Classified. Testing was performed according to UL Standard 900 and ULC-S111.

## Media Operating Data

### Continuous Operating Temperature Limits

Roll-O-Mat Gold Media ..... 175°F (79°C)

Roll-O-Mat Green Media ..... 175°F (79°C)



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