



Paint booth filters for the

Aerospace Industry

Products that meet EPA Method 319 Performance Standards

NESHAP/EPA METHOD 319

- Approved 2-Stage Systems
- Approved 3-Stage Systems



DAFCO FILTRATION GROUP®

2-Stage System

NESHAP/EPA Method 319 Approved 2-Stage System*

Since 1942 **FILTRATION GROUP** has been committed to the filtration industry. We have evolved into a leading broad line manufacturer of filtration products for the HVAC, Gas, Dust, Liquid & High Purity filter markets. As the largest privately held filtration manufacturer in North America, we are committed to customer service and quality products.

In addition to manufacturing facilities located throughout North America, Filtration Group has established partnerships and strategic alliances with many of the industry's leading companies. **Our commitment to product excellence and innovative solutions has established Filtration Group as a leader in the filtration industry.**



For booths after October 29, 1996: 1st Stage—EC Pad
2nd Stage—EC-XL-319 Cube

1st Stage: EC Pad

| Part # | Size | Part # | Size |
|---------|---------|---------|---------|
| TM81000 | 20 x 20 | TM81046 | 24 x 24 |

Bulk rolls and blankets available. See catalog price pages.

2nd Stage: EC-XL-319 Cube

| Part # | Size | # Pockets | Part # | Size | # Pockets |
|--------|--------------|-----------|--------|--------------|-----------|
| 55623N | 24 x 24 x 10 | 3 | 55628N | 12 x 24 x 15 | 2 |
| 55624N | 20 x 20 x 10 | 3 | 55629N | 10 x 20 x 15 | 2 |
| 55625N | 24 x 24 x 15 | 3 | 55630N | 24 x 24 x 20 | 2 |
| 55626N | 20 x 24 x 15 | 2 | 55631N | 20 x 24 x 20 | 2 |
| 55627N | 20 x 20 x 15 | 2 | 55632N | 12 x 24 x 20 | 2 |

The "N" designation at the end of the standard part number indicates that the filter is manufactured with an alternate construction. The filter and/or case has a reference to the filter's NESHAP approval.

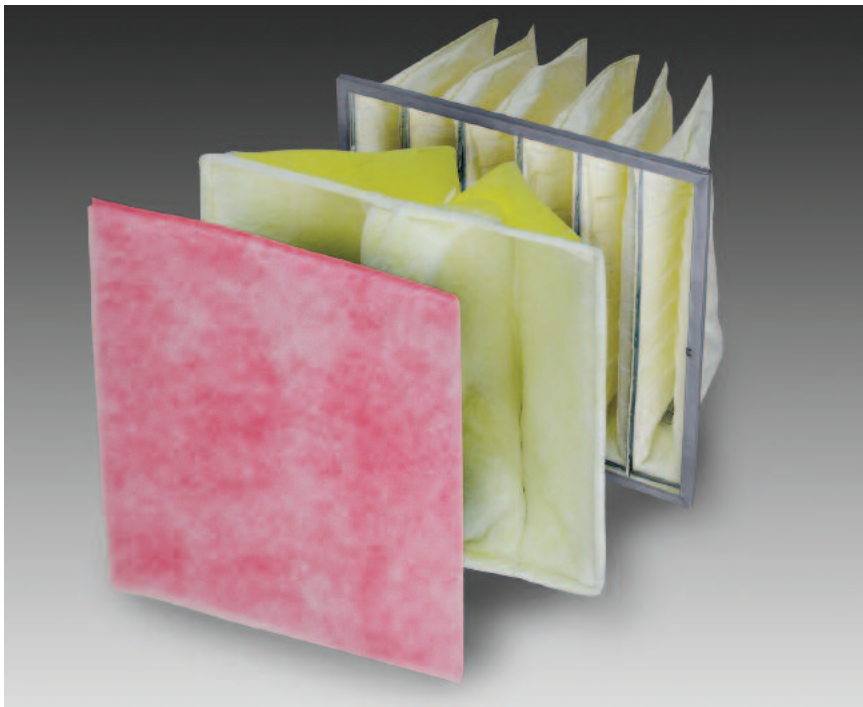
PERFORMANCE DATA

| Aerostar EC-XL-319 Cube 20" x 20" x 15" 2-Pocket | | | | | |
|--|----------|--------|-----------------------|----------|--------|
| Liquid Challenge (Oleic Acid) | | | Solid Challenge (KCI) | | |
| Particle Size | Required | Actual | Particle Size | Required | Actual |
| >2.2 μm | >10% | 58.6% | >2.6 μm | >10% | 63.7% |
| >4.1 μm | >50% | 86.0% | >5.0 μm | >50% | 84.9% |
| >5.7 μm | >90% | 94.1% | >8.1 μm | >90% | 93.7% |

Because this filter passed EPA Test Method 319 without a prefilter, the end user is permitted to use any type of prefilter—polyester pad, fiberglass, expanded paper or others—to extend the life of the approved filter.

3-Stage System

NESHAP/EPA METHOD 319 Approved 3-Stage System*



For booths after October 29, 1996: 1st Stage—EC-XL Pad
2nd Stage—EC Cube
3rd Stage—SoniQ Pocket 95%

1st Stage: EC-XL Pad

| Part # | Size | Part # | Size |
|---------|---------|---------|---------|
| TM82000 | 20 x 20 | TM82009 | 24 x 24 |

Bulk rolls and blankets available. See catalog price pages.

2nd Stage: EC Cube

| Part # | Size | # Pockets | Part # | Size | # Pockets |
|--------|--------------|-----------|--------|--------------|-----------|
| 11695 | 20 x 20 x 15 | 2 | 11697 | 24 x 24 x 15 | 2 |

3rd Stage: SoniQ Pocket 95%

| Part # | Size | # Pockets | Part # | Size | # Pockets |
|--------|--------------|-----------|--------|--------------|-----------|
| 18282N | 20 x 20 x 15 | 5 | 19895N | 24 x 24 x 15 | 7 |
| 18278N | 20 x 20 x 15 | 6 | 18276N | 24 x 24 x 15 | 8 |
| 18290N | 20 x 20 x 22 | 5 | 19931N | 24 x 24 x 15 | 9 |
| 18280N | 24 x 24 x 15 | 6 | 41828N | 24 x 24 x 22 | 6 |

The "N" designation at the end of the standard part number indicates that the filter is manufactured with an alternate construction. The filter and/or case has a reference to the filter's NESHAP approval.

PERFORMANCE DATA

Aerostar SoniQ Pocket 95% 20" x 20" x 15" 6-Pocket
Initial $\Delta P = 0.082$ " wg Air Velocity = 120 feet/minute

| Liquid Challenge (Oleic Acid) | | | Solid Challenge (KCl) | | |
|-------------------------------|----------|--------|-----------------------|----------|--------|
| Particle Size | Required | Actual | Particle Size | Required | Actual |
| >0.42 μm | >65% | 71.9% | >0.70 μm | >75% | 83.3% |
| >1.0 μm | >80% | 88.9% | >1.1 μm | >85% | 92.0% |
| >2.0 μm | >95% | 96.5% | >2.5 μm | >95% | 97.2% |

Because this filter passed EPA Test Method 319 without a prefilter, the end user is permitted to use any type of prefilter—polyester pad, fiberglass, expanded paper or others—to extend the life of the approved filter.

APPROVED SIZES

Aerostar EC-XL-319 Cube and Aerostar SoniQ Pockets 95%

In accordance with RTI's "Generic Verification Protocol for Paint Overspray Arrestors" (August 24, 1999, p 13):

"Arrestors of different size may be considered the same product when they have:

- the same media velocity (within 20%) for a 120 fpm face velocity.
- the same media composition and structure."

* If encountering system housing constraints, please contact sales for other filter combinations that meet NESHAP/EPA Method 319 requirements.

"We will provide

quality products that

meet or exceed

our customers' expectations

while we pursue

continuous improvements."

Filtration Group Facilities



Broad Product Offering

HVAC

Molecular

Paint & Finishing

Cleanroom

Bio-Safety & Cleanbench

Filter Media & Nonwovens

Power Systems

Customer Focused

In-house technical experts

Rapid prototyping

Flexible production

In-house testing

E-commerce

Preferred stocking programs

Extensive distribution network throughout North America

Dedicated customer support

“We will provide quality products that meet or exceed our customers’ expectations while we pursue continuous improvements.”

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