



## Water Resistant Mesh Air Filters for Louvered Fan Guards

### Reduce water ingress and other airborne mist

Orion Fans' Hydrophobic Mesh air filters offer a water-repellent, low pressure drop media to reduce ingress of airborne mist and other liquids in indoor and outdoor enclosures deployed in harsh environments. They offer a cost-effective alternative to expensive, more air flow restrictive membrane media. The hydrophobic filter media is a durable, cleanable, moisture-resistant solution for outdoor cabinets and process equipment applications requiring mist eliminations and other harsh environment installations. The Hydrophobic Mesh will help meet various enclosure-level standards such as MIL-STD, NEMA and IP ratings. The media can be installed in a one-piece, low profile, ultra-thin frame by itself or combines as part of a two-stage filter media solution in other frame assemblies for dust and water mist prevention.

### SPECS:

- Fiber: PES+PTFE, Weave
- Pattern: Plain
- Yarn Type - Warp: Monofilament
- Yarn Type - Weft: Monofilament
- Threads - Warp (inch): 125
- Threads - Weft (inch): 125
- Weight (oz/yd<sup>2</sup>): 2.1
- Air Permeability (CFM) N/A
- Opening (Micron): 125
- Open Area %: 38
- Media Color: Black
- Media Material: Monofilament

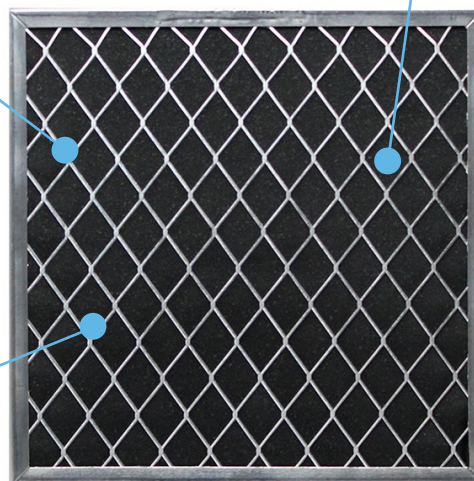
### FUNCTIONS:

1. Reduces ingress of airborne mist and other liquids in indoor and outdoor enclosures deployed in harsh environments
2. Cost-effective alternative to expensive, more air flow restrictive membrane media
3. Durable, cleanable, moisture-resistant solution in outdoor cabinets and equipment that require mist elimination

Water-repellent, low pressure drop media reduces ingress of airborne mist and other liquids in indoor and outdoor enclosures

Helps maintain various enclosure-level standards such as MIL-STD, NEMA and IP ratings

Durable, cleanable, moisture-resistant filter eliminates mist from outdoor cabinets and other process equipment





# ORION FANS

## FEATURES:

This hydrophobic filter media is a durable, cleanable, moisture-resistant solution for any outdoor cabinets, process equipment applications requiring mist elimination, or other harsh environment installations. The Hydrophobic Mesh will help meet various enclosure-level standards such as MIL-STD, NEMA and IP ratings. The media can be installed in a one-piece, low profile, ultra-thin frame by itself or combines as part of a two-stage filter media solution in other frame assemblies for dust and water mist prevention.

## APPLICATIONS:

Hydrophobic Mesh air filters are configured with aluminum-frames, permanent-type cleanable filters for fresh air intake or exhaust. These air filters are specially designed for harsh environments to reduce water and dust ingress.

## INDUSTRIES:

Hydrophobic Mesh media is ideal for outdoor or indoor enclosures including telecom, datacom, power gen, LED signage, medical, laboratory, military/defense, and other industrial applications.

## MEDIA:

Monofilament, hydrophobic, 125 mesh, technical fabric with approximately 38% open area.



Orion's Hydrophobic mesh filters are combined with their High Density Foam Filters for a complete two-stage filtration system.

## Standards & Classifications

- ROHS
- REACH
- FDA 21 CFR Part 177
- NOTICE 2011/C 73/01 (EMA/401/01 rev.3)
- REGULATION (EC) No. 10/2011
- Directives 2002/95/EC and 2011/65/EC (RoHS)
- REGULATION (EC) No. 1935/2004
- REGULATION (EC) No. 528/2012 (PTFE)

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