

HYDROPHOBIC MESH FILTER

Reduce water ingress and other airborne mist

Hydrophobic Mesh air filters offer a water-repellent, low pressure drop media to reduce ingress of airborne mist and other liquids on indoor and outdoor enclosures deployed in harsh environments. It offers a cost-effective alternative to expensive, more air flow restrictive membrane media. 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 combined as part of a two-stage filter media solution in other frame assemblies for dust and water mist prevention.

Performs three distinct functions:

- 1 Reduces ingress of airborne mist and other liquids on 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 for any outdoor cabinets and equipment applications that require mist elimination

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/yd2): 2.1
- Air Permeability (CFM): N/A
- Opening (Micron): 125
- Open Area (%): 38
- Media Color: Black
- Media Material: Monofilament



Hydrophobic Mesh Air Filter 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 combined 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 as made-to-size aluminum-framed, 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 in any industry, such as telecom, datacom, power gen, LED signage, medical, laboratory, military/defense, and many other industrial applications.

Media:

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



Model	Hydrophobic Media Thickness	Frame Thickness
FS-HYDROMESH	0,125mm [0.005"]	3,18mm [0.125"]

* Hydrophobic Mesh can be used in combination with other media (two-stage) and frame sizes

Standards & Classifications:

ROHS , REACH, FDA 21 CFR Part 177, NOTICE 2011/C 73/01 (EMA/410/01 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)