



High Density Foam Air Filters for Louvered Fan Guards

Protect equipment with fire resistant, cleanable, NEBS certified air filters for electronics enclosure applications deployed in indoor equipment rooms or harsh outdoor environments.

Orion Fans' High Density Foam air filters offer low pressure drop, fire resistance, and the ability to capture large amounts of airborne dust in industrial enclosure applications. They are ideal for equipment where permanent, cleanable filters are most appropriate. High Density Foam air filters are available in a broad range of porosities (PPI) to meet custom filtration performance requirements. Our standard is 45 PPI. The filters comply with UL 94 HF-1 self-extinguishing flame safety standards for electronics in industrial, medical, telecom, power gen and military electronics air filter applications. These air filters are the ultimate filtration solution in networking and communications equipment where compliance to NEBS, ATCA and other industrial computer specifications are required.

SPECS:

- Open cell, specifically-engineered, polyurethane foams
- Flame retardant, NEBS certified, helps comply with other IEC and IP industry requirements
- Fungus resistant, UV protection, and hydrolytic stability
- Low air flow resistance for use in a wide variety of indoor and outdoor conditions
- Deep loading, high dust arresstance filter media
- Permanent, cleanable filters
- Roll-formed frame into a strong, sturdy one-piece channel, using .025" thick, 3000 series aluminum
- Precision sheet metal frames available for various shapes and low-profile configurations
- Meets NEBS, UL, and CE standards

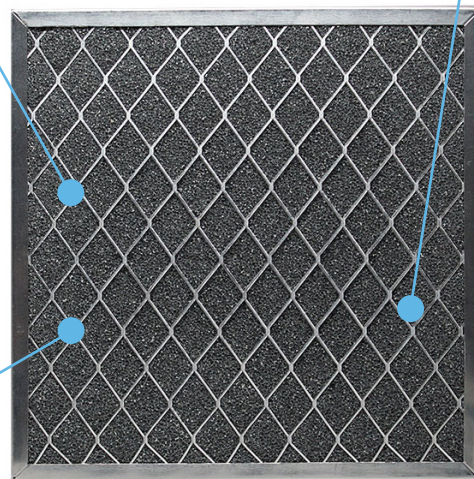
FUNCTIONS:

1. Fire Resistant, self extinguishing and UL 94, HF-1 compliant
2. Permanent, washable filters with NEBS and other industry standards compliance
3. High dust arresstance with low pressure drop

Specifically processed, open cell polyurethane foams provide improved flame, fungus, and UV resistance

Deep loading, high dust holding capacity and low air flow resistance effective in multiple environments

Media withstands dust intrusion and wind driven rain for indoor or urban rugged applications





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FEATURES:

- Ideal solution for electronics enclosure applications deployed in harsh environments
- Withstands prolonged exposure to high temperature and high humidity
- Flame retardant and meets UL 94 HF-1 standards for electronics, NEBS certified
- Aluminum components can be treated with special RoHS compliant protective finishes to provide corrosion protection

APPLICATIONS:

High Density Foam air filters offer high dust arrestance and low resistance for maximum air flow when installed in a variety of indoor and outdoor equipment and electronics cooling applications - where permanent, cleanable filters are most appropriate.

INDUSTRIES:

Orion Fans' diverse line of NEBS certified and UL Classified air filters offer the protection your unique product requires. Whether you need a filter for electronics, telco, data center, medical, power gen, military/defense or general industrial needs, your equipment is protected from the harshest environments.

MEDIA:

High Density Foam - an open cell polyurethan foam - is used as the filtering media. This media is specially processed to provide improved fire retardancy and fungus resistance. It has deep loading, high dust holding capacity and low air resistance. These filters are cleanable and reusable.

Standards & Classifications

- UL900
- UL94 HF-1
- NEBS GR-63-CORE
- ATCA
- NEBS GR-78-CORE
- MicroTCA
- CompactPCI
- IEC
- IP
- NEMA
- FMVSS 302



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