QUADRAFOAM™ AIR FILTERS

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

Quadrafoam™ air filters offer low pressure drop, fire resistance, and the ability to capture large amounts of airborne dust in industrial enclosure applications. Quadrafoam™ is ideal for equipment where permanent, cleanable filters are most appropriate.

Quadrafoam™ air filters are offered in a broad range of porosities (PPI) to meet custom filtration performance requirements. 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. Quadrafoam™ air filters are the ultimate filtration solution in networking and communications equipment where compliance to NEBS, ATCA and other industrial computer specifications are required.

Quadrafoam™ II offers the same features and benefits as Quadrafoam™, but with additional durability for rugged applications and harsh environments where the air filter will be more consistently exposed to high heat and moisture.
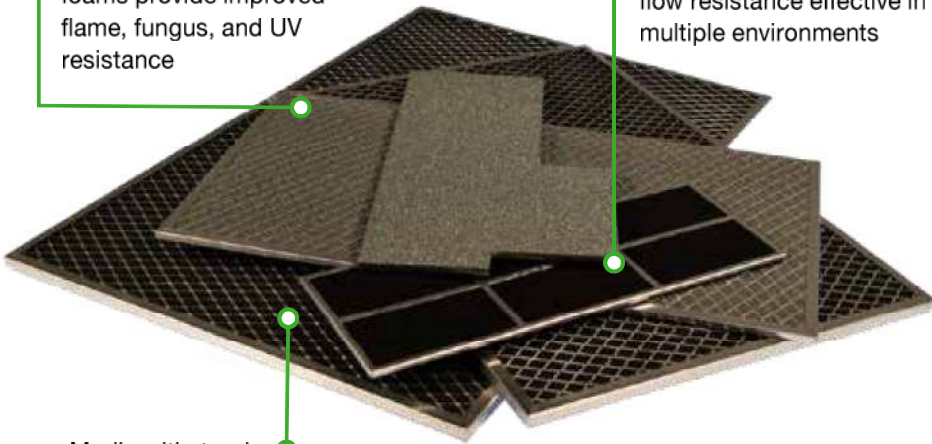
Performs three distinct functions:

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 arrestance with low pressure drop

Specially 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

SPECS:

- Open cell, specially-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 wide a wide variety of indoor and outdoor conditions

- Deep loading, high dust arrestance 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

Quadrafoam™ Air Filter 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:

Quadrafoam™ 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. Low-profile models can be specifically designed for equipment with limited space.

Industries:

Universal Air Filter's 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. Take a look below or request a free prototype now.

Media:

Quadrafoam™ — an open cell polyurethane foam — is used as the filtering media in all Quadrafoam™ filters. 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. Quadrafoam™ is cleanable and reusable.

Model	Quadrafoam™ Media Thickness	Frame Thickness
FF-2X	3,17mm [0.125"] or 6,35mm [0.25"]	5,85mm [0.23"]
FF-3	6,35mm [0.25"]	7,62mm [0.30"]
FF-5	6,35mm [0.25"] or 9,53mm [0.375"]	10,93mm [0.43"]
FF-5X	9,53mm [0.375"] or 12,70mm [0.50"]	12,70mm [0.50"]
FF-1025-B	6,35mm [0.25"]	22,35mm [0.88"]
FF-1050-B	12,70mm [0.50"]	22,35mm [0.88"]

Standards & Classifications:

UL 900, UL 94 HF-1, NEBS GR-63-CORE, ATCA, NEBS GR-78-CORE, MicroTCA, CompactPCI, IEC, IP, NEMA, FMVSS 302