

## UNIVERSAL AIR FILTER

# PentaVent AIR FILTER

Protect equipment with cleanable, fire-resistant air filters that can help reduce water ingress for electronics enclosure applications deployed in harsh outdoor environments.

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

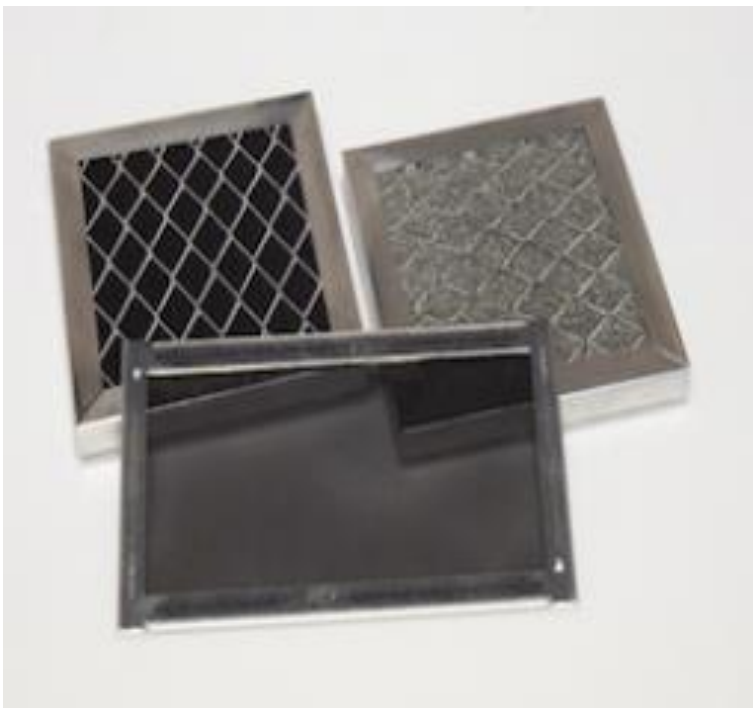
PentaVent air filters are a two-stage filter with the use of our proprietary Quadrafoam media in combination with Hydrophobic Mesh. This air filter complies with the UL 94 HF-1 self-extinguishing flame safety standards for electronics in industrial and power gen applications. The combination of these two medias can help an enclosure meet IP44 and NEMA 3R without the use of a louvre. PentaVent air filters are non-invasive to your enclosure with an overall frame thickness of a half inch and made to a custom length and width to best fit your enclosure.

### Performs five distinct functions:

- Fire Resistant, self-extinguishing UL 94 HF-1 compliant
- Reduces Water Ingress
- High Dust Arrestance with low pressure drop
- Cost-effective alternative to expensive more restrictive membrane media
- Permanent, Washable filters

### Specs

- Open cell, specially-engineered, polyurethane foams
- Flame retardant, UL 94 HF-1
- Helps comply with IP, NEMA industry standards... (**IP44, NEMA 3R**)
- Fungus Resistant, UV protection, and hydrolytic stability
- Low airflow resistance
- 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



## UNIVERSAL AIR FILTER

# PentaVent AIR FILTER

- Ideal solution for electronics enclosure applications deployed in harsh environments
- Withstands prolonged exposure to high temperature and high humidity
- Flame Retardant and meets UL94 HF-1 standards for electronics
- Aluminum components can be treated with special RoHS/REACH compliant protective finishes to provide corrosion protection

## Applications

PentaVent Air Filters offer high dust arrestance, water resistance and low pressure drop for maximum air flow when installed in a variety of outdoor equipment and electronics cooling applications.

## Media

### *Quadrafoam*

An open cell polyurethane foam is used as the filtering media in PentaVent 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.

### *Hydrophobic Mesh*

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

