

# DUAL EMI FILTER

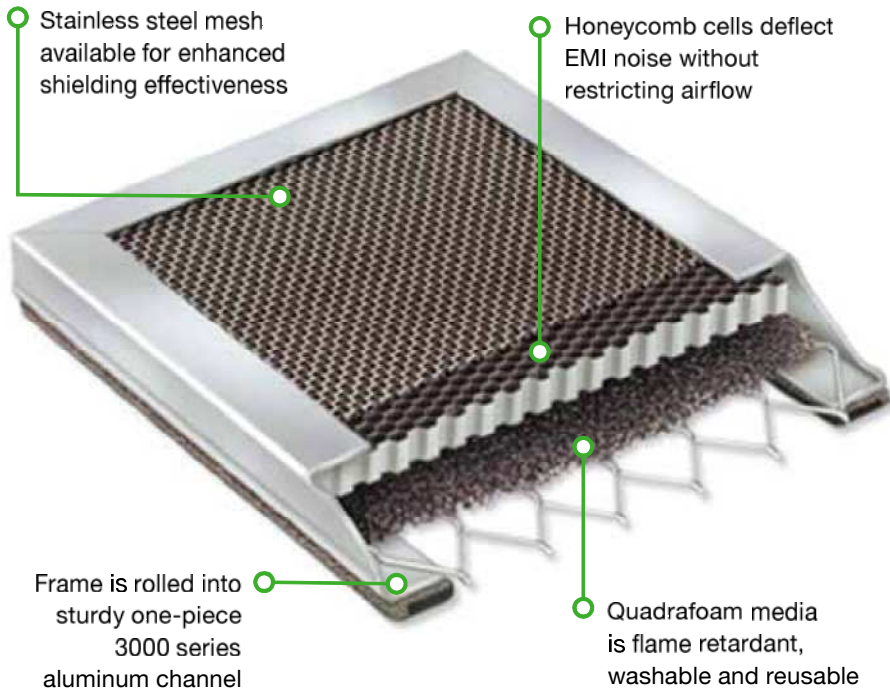
Superior shielding for electronics, telecom, medical and military applications

Electrical and electronic equipment usage is increasing at a pace that space cannot accommodate. With space at a premium, all of this equipment ends up in close proximity to each other which can cause disruption. UAF's Dual EMI Filter combines high dust arrestance and air straightening with reduced electromagnetic interference and helps prevent current leakage.

The new Dual EMI Honeycomb air filter provides superior shielding against electromagnetic interference and is specially designed for electronics, telecom and datacom, medical and military electronics equipment.

## Performs three distinct functions:

- 1 EMI/RFI shielding with positive grounding
- 2 Air straightening for maximum cooling efficiency
- 3 High dust arrestance with low pressure drop



## SPECS:

- EMI shielding honeycomb and stainless steel mesh
- High dust arrestance filter media
- Reduction of turbulent air flow
- EMI shielding gasket ensures full conductivity of the frame to the equipment
- Flame retardant
- Fungus resistant
- Lightweight
- UV resistance
- Meets NEBS, UL, and CE standards

**FAST FACT:**  
Custom sizes available up 24" in width and 48" in length.

## The Universal Dual EMI air filter features:

- Honeycomb structure of “cells” to deflect and absorb EMI noise through minimal airflow impedance and “straightening” effect for even air distribution
- High dust arrestance, low pressure drop, flame retardant filter media for maximum air flow and dust holding
- EMI shielding gasket around the frame perimeter to ensure full conductivity of the frame to the equipment

### Applications:

Dual Honeycomb air filters are designed for electronics, telecom or datacom equipment where EMI/RFI interference could result in equipment malfunction. Filters are designed to be cleanable and reusable as needed. Dual Honeycomb air filters are custom designed for each application.

### Shielding:

High levels of EMI/RFI shielding are achieved through three components in the filter: (1) a stainless steel mesh that captures EMI/RFI noise and is bonded to the filter frame with a conductive adhesive to assure grounding, (2) a honeycomb pattern of “cells” that are designed to reflect and absorb EMI/RFI noise without restricting airflow, (3) a metalized fabric or monel metal on neoprene foam gasket around the frame perimeter. Special metal finishes are also available.

### Media:

Quadrafoam — an open cell polyurethane foam — is used as the filtering media in Dual Honeycomb air filters. This media is specially coated to provide improved fire retardancy and fungi resistance. It has deep loading, high dust holding capacity and low air resistance. Quadrafoam is cleanable and reusable.



Model	Quadraform Media Thickness	Frame Thickness
FF-3	.25	.30
FF-5	.25 or .375	.43
FF-5X	.375 or .50	.50
FF-1025-B	.25	.88
FF-1050-B	.5	.88

### Standards & Classifications:

UL 900 Class 2, UL 94 HF-1 Bellcore GR-78-CORE Bellcore GR- 63-CORE FMVSS 302