

METAL MESH AIR FILTERS

Metal Mesh air filters offer a semi-permanent, cleanable air filtration solution, suitable for indoor and outdoor environments, with integrated EMI shielding capabilities

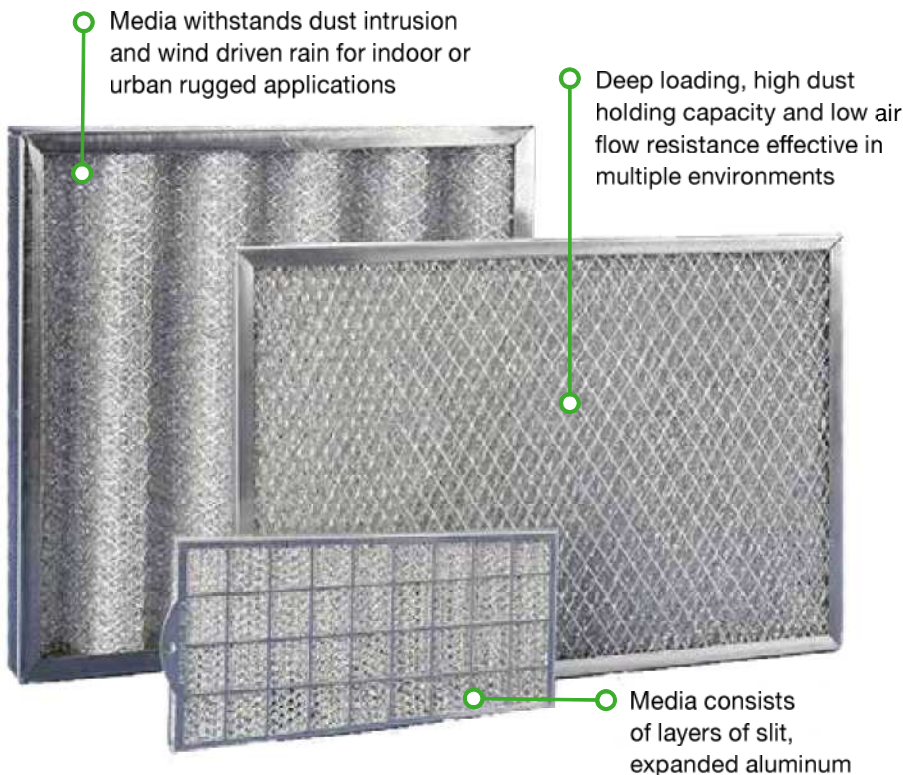
Metal Mesh air filters offer a semi-permanent, cleanable air filtration solution, with EMI shielding capabilities that are suited for indoor and outdoor environments. Metal Mesh filters are ideal for use in harsh environments where rugged, washable and reusable filters are most appropriate. Metal Mesh filters are available in all frame configurations, from roll-formed channels to ultra-thin, stamped sheet metal.

Performs three distinct functions:

- 1 High degree of dust arrestance and dust holding capacity
- 2 Rugged, washable air filters ideal for use in high heat and harsh environments
- 3 Integrated EMI shielding capabilities

SPECS:

- Roll-formed frame is a strong sturdy one-piece channel, using .025" thick, 3000 series aluminum
- Precision sheet metal frames available for various shapes and low-profile configurations
- Low air flow resistance for use in wide variety of indoor and outdoor conditions
- Deep loading, high dust arrestance filter media
- Permanent, cleanable filters
- Ideal for high heat and constant UV exposure installations
- Meets UL 900 and FMVSS 302 standards



Metal Mesh Air Filter Features:

- Ideal solution for applications deployed in harsh environments
- Withstands prolonged exposure to high temperatures, high humidity, and consistent UV exposure
- Aluminum components can be treated with special RoHS compliant protective finishes to provide corrosion protection

Applications:

Metal Mesh air filter models perform with a high degree of dust arrestance and high dust capacity. Metal mesh air filters are a good solution where permanent, cleanable filters are required. ME-2X, ME-3, ME-5, ME-5X filters have been specially designed for equipment where space is limited. Order a free air filter prototype for your application today.

Industries:

The rugged, high dust capacity, low pressure drop features of the metal mesh filters make it well suited for industries that include:

- Industrial machinery
- Food equipment & beverage dispensers
- Military solutions
- Power generation systems

Media:

Metal mesh media consists of layers of aluminum slit and expanded into various thickness grades. Metal mesh configurations are matched with customer application requirements to provide the optimal combination of dust capturing and dust holding capacity while minimizing resistance to airflow. Metal Mesh filters are ideal for use in harsh environments where rugged, washable and reusable filters are most appropriate. Metal Mesh filters are popular in industrial enclosure, outdoor cabinets and applications requiring EMI shielding in a single, low-cost assembly.



Standards & Classifications:

UL 900, FMVSS 302

Model	Metal Mesh Media Thickness	Frame Thickness
ME-2X	6,35mm [0.25"]	5,85mm [0.23"]
ME-3	6,35mm [0.25"]	7,62mm [0.30"]
ME-5	6,35mm [0.25"]	10,93mm [0.43"]
ME-5X	12,70mm [0.50"]	12,70mm [0.50"]
ME-1025-B	6,35mm [0.25"]	22,35mm [0.88"]
ME-1050-B	12,70mm [0.50"]	22,35mm [0.88"]