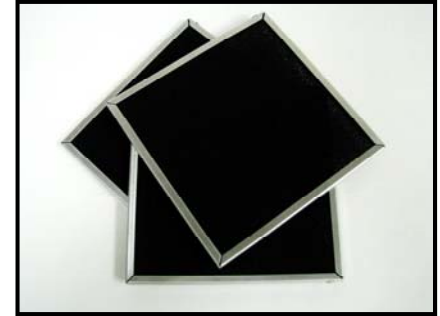




MASTER-FLO™ Air Filter

MA10 Series

MASTER-FLO MA10 Series Air Filters offer fire resistance, fungus resistance, and high dust arrestance while maintaining low pressure drop. MASTER-FLO Air Filters are designed to capture high amounts of airborne dust in industrial and electronic enclosure applications. MASTER-FLO Air Filters are the perfect fit for equipment where permanent, cleanable filters are required.



Applications

MASTER-FLO MA10 Series filters are widely used in a variety of indoor and outdoor electronic equipment applications. The filter's compliance to UL94-HF1 self-extinguishing flame standard enables it to be easily adopted in electronic equipment in the military, medical, industrial, and networking industries. MASTER-FLO Air Filters are offered in a broad range of porosities to meet filtration requirements, making them easily adopted for customer specific requirements.

Certifications



MASTER-FLO MA10 Air filters are designed to be used in harsh and even outdoor environments. Compliance to flame, fungus, and dust resistance standards make them an ideal choice for industrial and electronic enclosures of all kinds. MASTER-FLO Air Filters are designed with robust aluminum frames with optional expanded aluminum support grid, making the filter well suited for outdoor corrosive or high wind applications.

Filter Media

MASTER-FLO Air Filter media is based on polyether based open celled foam, available in various porosities (measured in Pores Per Inch—PPI). The foam is specially treated with fire retardant and anti-fungal coatings. MASTER-FLO Air Filter media passes UL94-HF1 flame resistance standard.

Volumetric Air Flow Rate

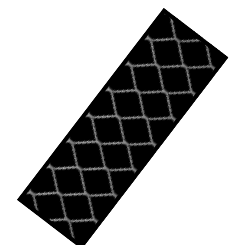
PPI	15	20	30	40	50
Volumetric Air Flow Rate	24.0	22.0	18.0	15.0	13.0

Contact a MAST Technologies technical representative for more information on how to select a filter porosity.

Frame

MASTER-FLO air filter frames are most commonly formed from 0.031" thick aluminum. Flat aluminum sheet material is formed into a single piece C channel, and are tightly fit around the filter media, and riveted into place.

Expanded aluminum may be chosen to add support to the media, with minimal loss to pressure drop performance. MASTER-FLO air filters utilize expanded aluminum which is approximately 85% open to ensure that maximum air flow is achieved. Expanded aluminum can be utilized on one or both sides of the filter media.



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