

M-SERIES™ - MODEL 2300

2" HYBRID-ELECTRONIC AIR CLEANER



The Model 2300 M-Series™ is our new line of high performance 2" electronic air cleaners. Patent pending filtration technology delivers superior filtration results with lower resistance to flow (pressure drop) than most other types of filters. This means superior performance with reduced operating costs.

They are perfect for use in applications demanding Merv 13 or higher filtration coupled with low pressure drop. Model 2300 M-Series™ filters are intended for use where face velocity rates are typically 500 FPM or higher. Typically, 2" filters deliver better dust holding and proportionately longer pad life than comparable 1" filters.

M-Series™ filters can be used as a stand-alone solution or in combination with other filtration products to meet specific application criteria.

MERV

Things to consider when choosing the right electronic air filter for your building. It must have a minimum rating of MERV 13 to ensure it meets recommended filtration performance levels. M-Series™ filters are available in configurations from MERV 13 to MERV 16

True MERV certification, as defined by ASHRAE, can only be achieved at a lab certified to perform these tests using ASHRAE certified test dust. ASHRAE certified dust contains a large carbon component which ensures any tested filter will be able to capture particulate containing organic or black carbon.

MERV 52.2 Rating

POWERED	UNPOWERED	APPENDIX J	PRESSURE DROP 300/500FPM
13	13	13-A	.09/.18"
14	14	14-A	.13/.27"
15	15	15-A	.12/.28"
16	16	16-A	.18/.38"

*Testing performed at Blue heaven Technologies

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Conforms to UL 867 & 2998
Conforms to CSA 22.2 NO. 187

2" HYBRID-ELECTRONIC AIR CLEANER

Superior Filtration

Most current electronic air filters typically cannot achieve a true high MERV rating when powered. Their traditional design allows the ASHRAE certified dust to interfere with their electronics. Because of this, manufacturers of these filters may test either unpowered or using alternate types of dust with no carbon. Unpowered tests are still considered a true MERV rating if ASHRAE certified dust is used. Tests run with alternate dust types are not.

Appendix J

Many projects specify filters should be able to perform at MERV 13 or higher when tested using the Appendix J protocol as part of 52.2 testing. Appendix J is a protocol developed by ASHRAE to provide the best indication of how a filter will perform long term in actual use. Model 2300 M-Series™ filters have been proven in third party testing to perform at MERV 13-16 levels when tested using the Appendix J conditioning protocol.

How They Work

Ultrafine particles are defined as PM (0.1) (less than .1 microns). Particles this small pose more serious health risks. Unlike larger particulate, they can easily pass through the body's natural barriers to enter the blood stream and reach vital organs. PM (0.1) is widely known to be associated with increased risk of lung, cardiovascular, and other major health issues.

Model 2300 M-Series™ filters use patented pending collector materials coupled with Electronic Polarization Technology (EPT) to trap airborne contaminants. They can effectively trap particles as small as .001 microns in size. M Series™ filters capture ultrafine particulate from major sources such as non-exhaust automotive pollution and forest fires. They can also effectively capture presented viruses such as COVID, most bacteria, and many other harmful pathogens.

Green Building Compliant

Model 2300 M-Series™ filters have features which make them able to qualify for credits/points under various green building standards such as National Green Building Standard™, The international WELL building Institute™, International Living Future Institute, Passivehaus, and USGBC®/LEED. Where possible, recyclable materials are used in both the permanent frame and the periodically discarded collector pads used to trap and contain pollutants.

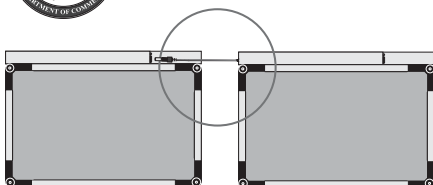
Zero Ozone Compliant

All M-Series™ filters are certified by ETL to be compliant with UL2998 ozone standards. UL2998 was developed to ensure device ozone levels stay below 5ppb. This is the most stringent standard available today. It is 1/10th of the regulatory level of 50ppb as required by UL867. UL2998 is required for air cleaning devices by ASHRAE 62.1-2019, Section 5.7.1 and is recommended by both CDC and US EPA.

V-Bank Configuration



US PATENT PENDING



TANDEM CONNECTION
(if required)

SPECIFICATIONS

NOMINAL INPUT:	VOLTAGE RANGE:	CONSUMPTION:	APPARENT POWER:
24 Volts (floating)	18V min TO 30 V max (floating)	2 Watts	2 VA