

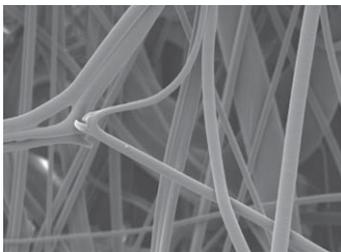
3M™ Commercial HVAC Filter

MERV A13 Mini-Pleat with Gasket



Typical Applications

- Hotels and entertainment complexes
- Commercial offices
- Universities/Schools
- Healthcare and Analytical laboratories
- Clean manufacturing facilities



Innovative, open filtration media structure



Integral gaskets prevent air bypass, keeping coils clean



Glue beads maintain pleat spacing integrity

The 3M™ Commercial HVAC Filter MERV A13 is a mini-pleat filter, as tested by an independent laboratory in accordance with ASHRAE 52.2: 2007 Appendix J standard. When used on all outside air intakes and inside air recirculation returns, this filter contributes to earning an Indoor Environmental Quality point toward LEED® certification for new and existing buildings, according to the standards established by the U.S. Green Building Council.

Using 3M technology, this filter offers an industry leading combination of high in-use efficiency, low pressure drop and a long filter life — all in a compact filter package. The precise balance of mechanical and electret elements is validated by the rigorous industry filter conditioning standard — ASHRAE 52.2: 2007 Appendix J.

3M Commercial HVAC Filter MERV A13 helps provide a cleaner indoor air quality environment through effective particle capture in the important EPA monitored PM2.5 size range. This allows effective removal of dust, lint, pollens, spores and many other common particulate contaminants.

Key Benefits

Using innovative 3M technology, the 3M Commercial HVAC Filter MERV A13 is built around the HVAC system needs of our customers with LEED certification and compliance in mind. Some of the key benefits our customers can enjoy when using 3M Commercial HVAC Filter MERV A13 are:

- Earn LEED certification point with simple upgrade of in-place filters on all outside air intakes and inside air recirculation (New and existing buildings)
- Significant energy savings possible when installed in place of standard filters due to low pressure drop achieved through the use of our highly refined electrostatically charged media (electret media), open filtration media structure and high surface area mini-pleat design
- Longer filter life than competitive products due to the unique combination of depth loading filtration media, precise pleat structure and high filter media area
- Minimized air bypass around and between filters common in damaged or misaligned air handling racks due to innovative filter frame with integrated gaskets
- Reduced labor hours due to simple, hassle-free installation, supported by the innovative slip-rib frame design and excellent filter life
- Meets UL 900 flammability rating (US) and UL 900 Class 2 flammability rating (Canada).

Performance Data

Air Velocity for ASHRAE Testing	492 fpm (1968 cfm for 24" x 24" filter)
Initial Pressure Drop	0.39" w.g.
Recommended Final Pressure Drop	1.4" w.g.
Efficiency Rating per ASHRAE 52.2: 2007	MERV 14 ¹
Efficiency Rating per ASHRAE 52.2: 2007 Appendix J	MERV A13
Dust Holding Capacity at 1.4" w.g.	95 ± 7 g

Important use restriction: This filter must not be used as a primary filter in hospitals and healthcare facilities where a MERV 14 primary filter is required per ASHRAE 170 - 2008. 3M recommends the use of 3M™ Commercial HVAC Filter Products with a minimum rating of MERV A14.

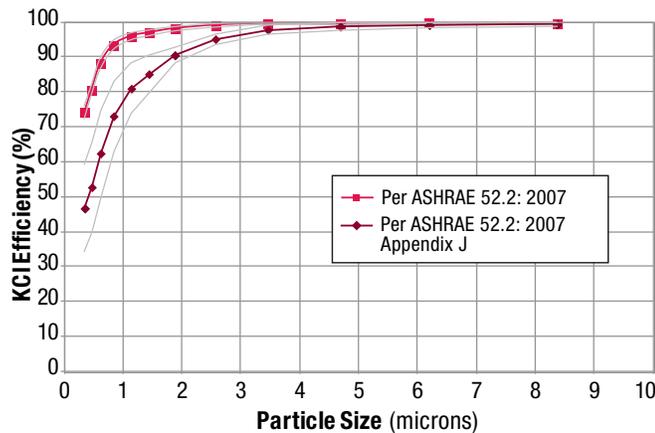
¹ The particle capture efficiency will reduce in actual use. Please visit www.whatisMERVA.com for more information.



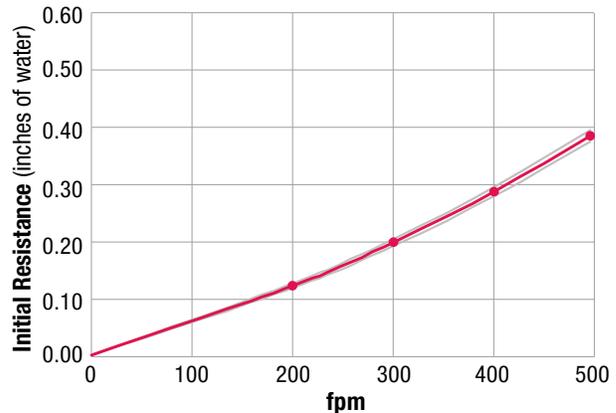
3M™ Commercial HVAC Mini-Pleat Filter with Gasket, MERV A13

Physical Characteristics

Minimum Filter Efficiency vs. Particle Size at 492 fpm per ASHRAE 52.2: 2007

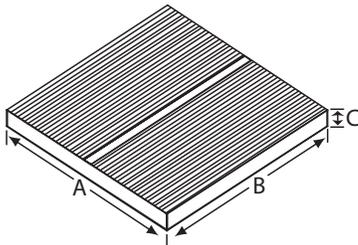


Initial Pressure Drop vs. Air Velocity 24" x 24" Filter



Average Initial Pressure Drop is 0.39" w.g.

Filter Measurements



Product No.	3M ID Number	Nominal Dimensions "A" x "B" x "C" Inches (mm)	Width "A" Inches (mm)	Height "B" Inches (mm)	Depth "C" Inches (mm)
E675	70-0714-7119-0	10 x 10 x 2 (254 x 254 x 51)	9 3/8 (238)	9 3/8 (238)	1 7/8 (48)
E676	70-0714-7120-8	10 x 20 x 2 (254 x 508 x 51)	9 3/8 (238)	19 3/8 (492)	1 7/8 (48)
E677	70-0714-7121-6	12 x 20 x 2 (305 x 508 x 51)	11 3/8 (289)	19 3/8 (492)	1 7/8 (48)
E678	70-0714-7122-4	12 x 24 x 2 (305 x 610 x 51)	11 3/8 (289)	23 3/8 (594)	1 7/8 (48)
E679	70-0714-7123-2	14 x 20 x 2 (356 x 508 x 51)	13 3/8 (340)	19 3/8 (492)	1 7/8 (48)
E680	70-0714-7124-0	14 x 25 x 2 (356 x 635 x 51)	13 3/8 (340)	24 3/8 (619)	1 7/8 (48)
E681	70-0714-7125-7	15 x 20 x 2 (381 x 508 x 51)	14 3/8 (365)	19 3/8 (492)	1 7/8 (48)
E682	70-0714-7126-5	16 x 16 x 2 (406 x 406 x 51)	15 3/8 (391)	15 3/8 (391)	1 7/8 (48)
E683	70-0714-7127-3	16 x 20 x 2 (406 x 508 x 51)	15 3/8 (391)	19 3/8 (492)	1 7/8 (48)
E684	70-0714-7128-1	16 x 24 x 2 (406 x 610 x 51)	15 3/8 (391)	23 3/8 (594)	1 7/8 (48)
E685	70-0714-7129-9	16 x 25 x 2 (406 x 635 x 51)	15 3/8 (391)	24 3/8 (619)	1 7/8 (48)
E686	70-0714-7130-7	18 x 20 x 2 (457 x 508 x 51)	17 3/8 (441)	19 3/8 (492)	1 7/8 (48)
E687	70-0714-7131-5	18 x 24 x 2 (457 x 610 x 51)	17 3/8 (441)	23 3/8 (594)	1 7/8 (48)
E688	70-0714-7132-3	18 x 25 x 2 (457 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E689	70-0714-7133-1	20 x 20 x 2 (508 x 508 x 51)	19 3/8 (492)	19 3/8 (492)	1 7/8 (48)
E690	70-0714-7134-9	20 x 24 x 2 (508 x 610 x 51)	19 3/8 (492)	23 3/8 (594)	1 7/8 (48)
E691	70-0714-7135-6	20 x 25 x 2 (508 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E694	70-0714-7138-0	20 x 30 x 2 (508 x 762 x 51)	19 3/8 (492)	29 3/8 (746)	1 7/8 (48)
E692	70-0714-7136-4	24 x 24 x 2 (610 x 610 x 51)	23 3/8 (594)	23 3/8 (594)	1 7/8 (48)
E693	70-0714-7137-2	25 x 25 x 2 (635 x 635 x 51)	24 3/8 (619)	24 3/8 (619)	1 7/8 (48)

Additional Information

For questions or to place an order in the U.S., contact your local 3M Purification Inc. distributor or 3M Purification Inc. Customer Service at (800) 648-3550 or (651) 789-7381

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IMPORTANT USE RESTRICTIONS: DO NOT EXPOSE THIS FILTER DIRECTLY TO UV RADIATION FROM A UV PURIFICATION SYSTEM. EXCESSIVE UV EXPOSURE MAY LEAD TO A REDUCTION IN THE MECHANICAL INTEGRITY AND PERFORMANCE OF THE FILTER. THIS FILTER MUST NOT BE USED FOR THE FOLLOWING UNAUTHORIZED USES: A) ASBESTOS, LEAD OR MOLD REMEDIATION; B) BIOTERRORISM PROTECTION; C) APPLICATIONS IN BUILDINGS THAT REQUIRE OR ARE UNDERGOING AIR HANDLING SYSTEM REMEDIATION OF HAZARDOUS SUBSTANCES; OR (D) PROTECTIVE ENVIRONMENTS PER AIA GUIDELINES.



3M Purification Inc.
400 Research Parkway
Meriden, CT 06450 U.S.A.
(800) 648-3550
(651) 789-7381
www.3mpurification.com/airfilters

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