

3M™ Commercial HVAC Filter

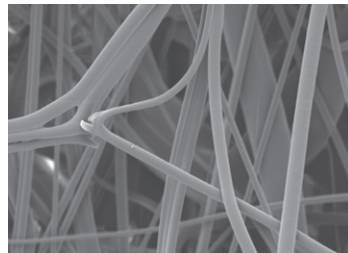
MERV A11 Mini-Pleat with Gasket



Typical Applications

- Commercial offices
- Universities/Schools
- Government institutions
- Hotels and entertainment complexes

The 3M™ Commercial HVAC Filter MERV A11 is a filter with a high surface area, mini-pleat design. The innovative, open filtration media structure and a precise pleat structure combined with a low pressure drop of the 3M HVAC filter, can lead to reduced electrical energy consumption. Also, the strong electrostatic binding force and an extremely rigid pleat structure provide our customers with the benefit of minimal shedding of captured particles.



Innovative, open filtration media structure



Integral gaskets prevent air bypass, keeping coils clean



Glue beads maintain pleat spacing integrity

Key Benefits

Using innovative technology, 3M Commercial HVAC Filter MERV A11 is built around the HVAC system needs of our customers. Some of the key benefits our customers can enjoy when using 3M Commercial HVAC Filter MERV A11 are:

- 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
- Reduced chance of filter damage during handling and installation due to the integrally supported pleats, impact resistant synthetic frame materials and fully encapsulated pleat-frame bond
- Far less storage space required compared to many filters of same efficiency resulting from the high performance 2" mini-pleat filter format
- Significant energy value and low ash content resulting from 100% incinerable components of the filter
- 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	0.25" w.g.
Recommended Final Pressure Drop	1.4" w.g.
Efficiency Rating per ASHRAE 52.2: 2007	MERV 12 ¹
Efficiency Rating per ASHRAE 52.2: 2007 Appendix J	MERV A11
Dust Holding Capacity at 1.4" w.g.	110 ± 17 g

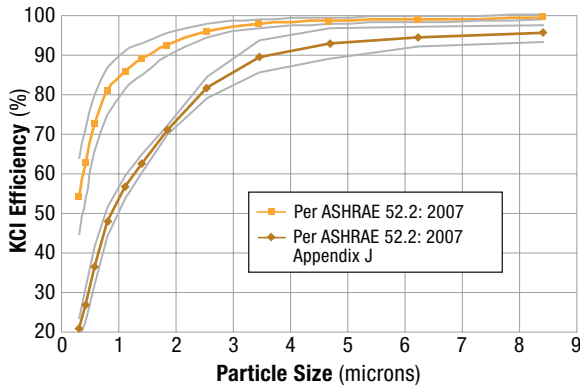
¹ The particle capture efficiency will reduce in actual use. Please visit www.whatisMERVA.com for more information.



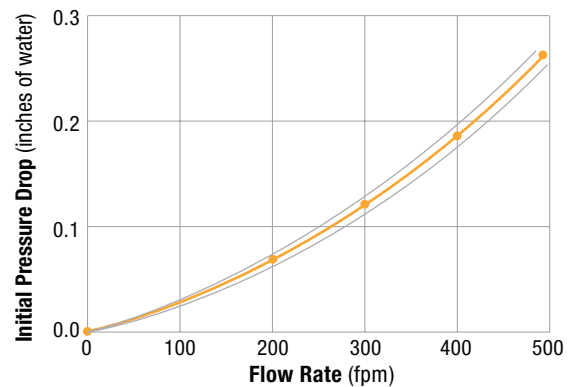
3M™ Commercial HVAC Mini-Pleat Filter with Gasket, MERV A11

Physical Characteristics

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

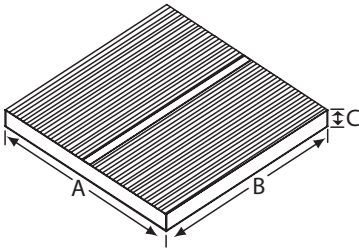


Initial Pressure Drop vs. Air Velocity 24" x 24" Filter



Average Initial Pressure Drop is 0.25 inches 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)
E695	70-0714-7139-8	10 x 10 x 2 (254 x 254 x 51)	9 3/8 (238)	9 3/8 (238)	1 7/8 (48)
E697	70-0714-7141-4	12 x 20 x 2 (305 x 508 x 51)	11 3/8 (289)	19 3/8 (492)	1 7/8 (48)
E698	70-0714-7142-2	12 x 24 x 2 (305 x 610 x 51)	11 3/8 (289)	23 3/8 (594)	1 7/8 (48)
E700	70-0714-7144-8	14 x 25 x 2 (356 x 635 x 51)	13 3/8 (340)	24 3/8 (619)	1 7/8 (48)
E701	70-0714-7145-5	15 x 20 x 2 (381 x 508 x 51)	14 3/8 (365)	19 3/8 (492)	1 7/8 (48)
E702	70-0714-7146-3	16 x 16 x 2 (406 x 406 x 51)	15 3/8 (391)	15 3/8 (391)	1 7/8 (48)
E703	70-0714-7147-1	16 x 20 x 2 (406 x 508 x 51)	15 3/8 (391)	19 3/8 (492)	1 7/8 (48)
E704	70-0714-7148-9	16 x 24 x 2 (406 x 610 x 51)	15 3/8 (391)	23 3/8 (594)	1 7/8 (48)
E705	70-0714-7149-7	16 x 25 x 2 (406 x 635 x 51)	15 3/8 (391)	24 3/8 (619)	1 7/8 (48)
E706	70-0714-7150-5	18 x 20 x 2 (457 x 508 x 51)	17 3/8 (441)	19 3/8 (492)	1 7/8 (48)
E707	70-0714-7151-3	18 x 24 x 2 (457 x 610 x 51)	17 3/8 (441)	23 3/8 (594)	1 7/8 (48)
E708	70-0714-7152-1	18 x 25 x 2 (457 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E709	70-0714-7153-9	20 x 20 x 2 (508 x 508 x 51)	19 3/8 (492)	19 3/8 (492)	1 7/8 (48)
E710	70-0714-7154-7	20 x 24 x 2 (508 x 610 x 51)	19 3/8 (492)	23 3/8 (594)	1 7/8 (48)
E711	70-0714-7155-4	20 x 25 x 2 (508 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E714	70-0714-7158-8	20 x 30 x 2 (508 x 762 x 51)	19 3/8 (492)	29 3/8 (746)	1 7/8 (48)
E712	70-0714-7156-2	24 x 24 x 2 (610 x 610 x 51)	23 3/8 (594)	23 3/8 (594)	1 7/8 (48)
E713	70-0714-7157-0	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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