

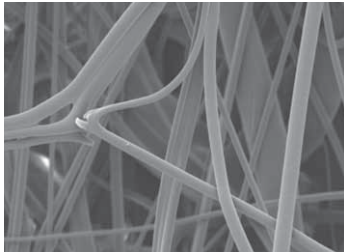
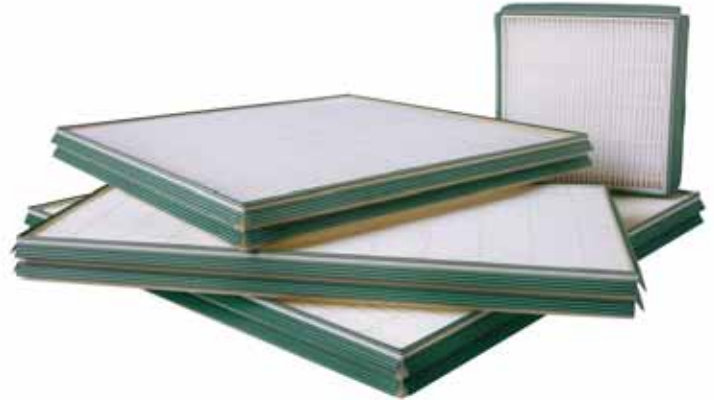
# Filtrete™

## Commercial HVAC Filter MERV A8 Mini-Pleat with Gasket



### Typical Applications

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



Innovative, open filtration media structure



Integral gaskets prevent air bypass, keeping coils clean



Glue beads maintain pleat spacing integrity

The Filtrete™ Commercial HVAC Filter MERV A8 is a mini-pleat filter that is an excellent choice as either a pre-filter or as a primary filter. Filtrete Commercial HVAC Filter MERV A8 features 100% synthetic media that is moisture and humidity resistant. The filter is 100% metal free, thus reducing the risk of filter damage during handling and installation. Our customers value this filter for its combination of consistent, reliable performance and the engineered frame construction.

### Key Benefits

Using innovative 3M technology, Filtrete Commercial HVAC Filter MERV A8 is built around the HVAC system needs of our customers. Some of the key benefits our customers can enjoy when using Filtrete Commercial HVAC Filter MERV A8 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	0.26" w.g.
Recommended Final Pressure Drop	1.4" w.g.
Efficiency Rating per ASHRAE 52.2: 2007	MERV 11
Efficiency Rating per ASHRAE 52.2: 2007 Appendix J	MERV A8
Dust Holding Capacity at 1.4" w.g.	90 ± 15 g

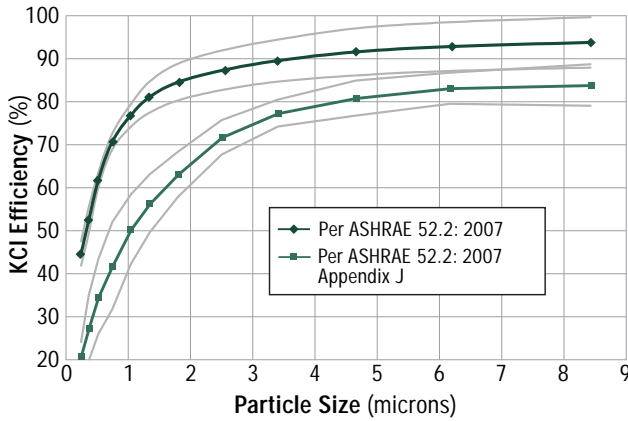
<sup>1</sup> The particle capture efficiency will reduce in actual use. Please visit [www.whatisMERVA.com](http://www.whatisMERVA.com) for more information.



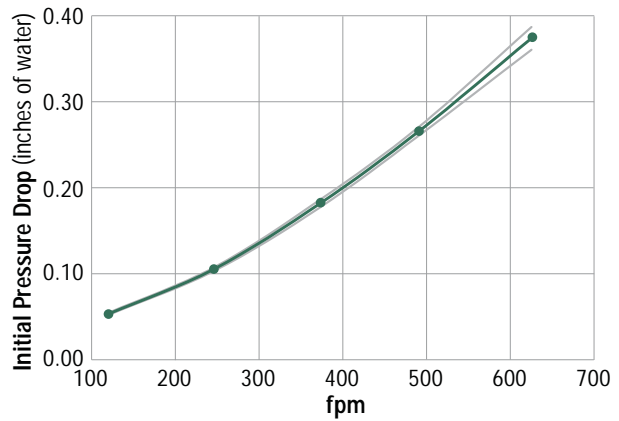
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## Physical Characteristics

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

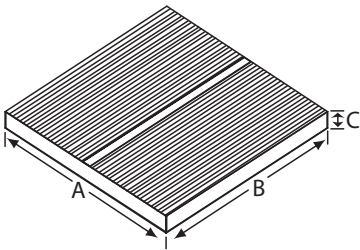


Initial Pressure Drop vs. Air Velocity 24" x 24" Filter



Average Initial Pressure Drop is 0.26" 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)
E276	70-0712-4438-1	10 x 10 x 2 (254 x 254 x 51)	9 3/8 (238)	9 3/8 (238)	1 7/8 (48)
E277	70-0712-4439-9	10 x 20 x 2 (254 x 508 x 51)	9 3/8 (238)	19 3/8 (492)	1 7/8 (48)
E278	70-0712-4440-7	12 x 20 x 2 (305 x 508 x 51)	11 3/8 (289)	19 3/8 (492)	1 7/8 (48)
E279	70-0712-4441-5	12 x 24 x 2 (305 x 610 x 51)	11 3/8 (289)	23 3/8 (594)	1 7/8 (48)
E280	70-0712-4442-3	14 x 20 x 2 (356 x 508 x 51)	13 3/8 (340)	19 3/8 (492)	1 7/8 (48)
E281	70-0712-4443-1	14 x 25 x 2 (356 x 635 x 51)	13 3/8 (340)	24 3/8 (619)	1 7/8 (48)
E282	70-0712-4444-9	15 x 20 x 2 (381 x 508 x 51)	14 3/8 (365)	19 3/8 (492)	1 7/8 (48)
E283	70-0712-4445-6	16 x 16 x 2 (406 x 406 x 51)	15 3/8 (391)	15 3/8 (391)	1 7/8 (48)
E284	70-0712-4446-4	16 x 20 x 2 (406 x 508 x 51)	15 3/8 (391)	19 3/8 (492)	1 7/8 (48)
E285	70-0712-4447-2	16 x 24 x 2 (406 x 610 x 51)	15 3/8 (391)	23 3/8 (594)	1 7/8 (48)
E286	70-0712-4448-0	16 x 25 x 2 (406 x 635 x 51)	15 3/8 (391)	24 3/8 (619)	1 7/8 (48)
E287	70-0712-4449-8	18 x 20 x 2 (457 x 508 x 51)	17 3/8 (441)	19 3/8 (492)	1 7/8 (48)
E288	70-0712-4450-6	18 x 24 x 2 (457 x 610 x 51)	17 3/8 (441)	23 3/8 (594)	1 7/8 (48)
E289	70-0712-4451-4	18 x 25 x 2 (457 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E290	70-0712-4452-2	20 x 20 x 2 (508 x 508 x 51)	19 3/8 (492)	19 3/8 (492)	1 7/8 (48)
E291	70-0712-4453-0	20 x 24 x 2 (508 x 610 x 51)	19 3/8 (492)	23 3/8 (594)	1 7/8 (48)
E292	70-0712-4454-8	20 x 25 x 2 (508 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E293	70-0712-4455-5	20 x 30 x 2 (508 x 762 x 51)	19 3/8 (492)	29 3/8 (746)	1 7/8 (48)
E294	70-0712-4456-3	24 x 24 x 2 (610 x 610 x 51)	23 3/8 (594)	23 3/8 (594)	1 7/8 (48)
E295	70-0712-4457-1	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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