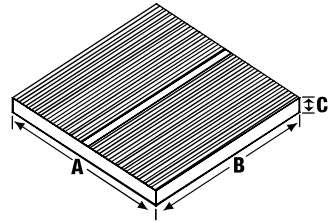


## Filter Measurements



Product No.	Stock No.	Nominal Dimensions Inches (mm)	Width "A" Inches (mm)	Height "B" Inches (mm)	Depth "C" Inches (mm)
E324	70-0712-4480-3	10 x 10 x 2 (254 x 254 x 51)	9 3/8 (238)	9 3/8 (238)	1 7/8 (48)
E326	70-0712-4482-9	12 x 20 x 2 (305 x 508 x 51)	11 3/8 (289)	19 3/8 (492)	1 7/8 (48)
E327	70-0712-4483-7	12 x 24 x 2 (305 x 610 x 51)	11 3/8 (289)	23 3/8 (594)	1 7/8 (48)
E329	70-0712-4485-2	14 x 25 x 2 (356 x 635 x 51)	13 3/8 (340)	24 3/8 (619)	1 7/8 (48)
E330	70-0712-4486-0	15 x 20 x 2 (381 x 508 x 51)	14 3/8 (365)	19 3/8 (492)	1 7/8 (48)
E331	70-0712-4487-8	16 x 16 x 2 (406 x 406 x 51)	15 3/8 (391)	15 3/8 (391)	1 7/8 (48)
E332	70-0712-4540-4	16 x 20 x 2 (406 x 508 x 51)	15 3/8 (391)	19 3/8 (492)	1 7/8 (48)
E333	70-0712-4541-2	16 x 24 x 2 (406 x 610 x 51)	15 3/8 (391)	23 3/8 (594)	1 7/8 (48)
E334	70-0712-4542-0	16 x 25 x 2 (406 x 635 x 51)	15 3/8 (391)	24 3/8 (619)	1 7/8 (48)
E335	70-0712-4543-8	18 x 20 x 2 (457 x 508 x 51)	17 3/8 (441)	19 3/8 (492)	1 7/8 (48)
E336	70-0712-4544-6	18 x 24 x 2 (457 x 610 x 51)	17 3/8 (441)	23 3/8 (594)	1 7/8 (48)
E337	70-0712-4545-3	18 x 25 x 2 (457 x 634 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E338	70-0712-4546-1	20 x 20 x 2 (508 x 508 x 51)	19 3/8 (492)	19 3/8 (492)	1 7/8 (48)
E339	70-0712-4547-9	20 x 24 x 2 (508 x 610 x 51)	19 3/8 (492)	23 3/8 (594)	1 7/8 (48)
E340	70-0712-4548-7	20 x 25 x 2 (508 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E341	70-0712-4549-5	20 x 30 x 2 (508 x 762 x 51)	19 3/8 (492)	29 3/8 (746)	1 7/8 (48)
E342	70-0712-4550-3	24 x 24 x 2 (610 x 610 x 51)	23 3/8 (594)	23 3/8 (594)	1 7/8 (48)
E343	70-0712-4551-1	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™ distributor or 3M Customer Service at 1-800-648-3550 or 651-789-7381.

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REV 1214

## 3M™ Commercial HVAC Mini-Pleat Filter no Gasket MERV A8



### Typical Applications

3M™ Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 Filters are a better choice for your:

- Commercial and office buildings
- Educational institutions
- Government facilities
- Hotels and entertainment complexes



100% Synthetic media-filters are very durable:

- Less chance of filter damage during handling and installation
- Resistant to moisture and common chemicals
- Resistant to fiber shedding



Lightweight, rigid frame

3M™ Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 Filters provide a cost effective filtration alternative — with the performance you've come to expect from 3M.

### Increased air flow or lower fan energy consumption compared to equivalent filter design and efficiency of competitors

The low pressure drop feature of 3M Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 may help reduce fan energy consumption

- Electrostatically-charged, open construction media

### Durable synthetic media and frame construction

Media construction is resistant to moisture and common chemicals.

- Resilient construction
- Resistant to fiber shedding

### Long filter life

The media and construction of 3M Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 contribute to long filter life.

- Media loads through the depth of the filter
- Mini-pleat construction provides high surface area
- UL 900 Class 1 flammability rating (U.S.), UL 900 Class 2 flammability rating (Canada)

### Small package size

- Easy to handle
- Low disposal volume<sup>1</sup>

### Demonstrated filtration efficiency

3M Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 Filters have been tested by independent laboratories in accordance with ASHRAE 52.2-2007 standards.

<sup>1</sup> Disposal of used filters must comply with applicable federal, state and local laws and regulations

**3M**

## Technical Data

### Physical Characteristics

- 2" mini-pleat design
- 100% synthetic media — resists moisture and common chemicals
- 100% synthetic frame — lightweight, resists moisture
- High durability — no special handling required
- Continuous pleat spacing glue bead
- Electrostatically charged media

### Performance Notes

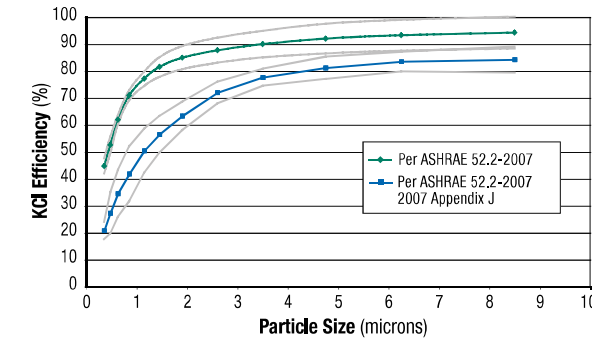
- Typical initial resistance: 0.26 inches of water @ 492 fpm
- UL 900 Class 1 flammability rating (U.S.)
- UL 900 Class 2 flammability rating (Canada)
- Operating temperature range 122°F,-22°F

## Performance Data

### 3M™ Commercial HVAC Mini-Pleat Filter no Gasket MERV A8 Filter

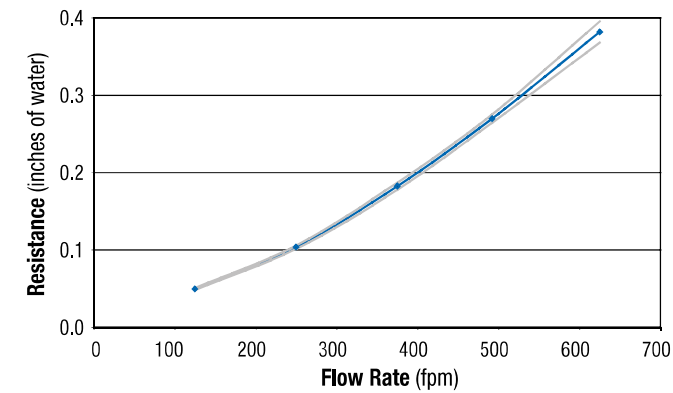
Air Velocity for ASHRAE Testing	492 fpm (1968 cfm for 24" x 24" filter)
Initial Resistance	0,26 ± 0,01 inches of water
Recommended Final Resistance	1.4 inches of water
Efficiency Rating per ASHRAE 52.2-2007	MERV-11
Efficiency Rating per ASHRAE-2007 Appendix J	MERV-A8
Average Dust Holding Capacity at 1.4 Inches of Water	90 ± 15 g

Filter Efficiency vs. Particle Size at 492 fpm



Particle Size Range	Average Particle Efficiency (492 fpm)	
	Minimum Efficiency per ASHRAE 52.2-2007	Minimum Efficiency per ASHRAE 52.2-2007 Appendix J
0.3 - 1.0 µm	58 ± 2%	31 ± 7%
1.0 - 3.0 µm	83 ± 4%	60 ± 6%
3.0 - 10 µm	92 ± 6%	81 ± 4%

Initial Resistance vs. Air Velocity



Resistance vs. Dust Loading @ 492 fpm

