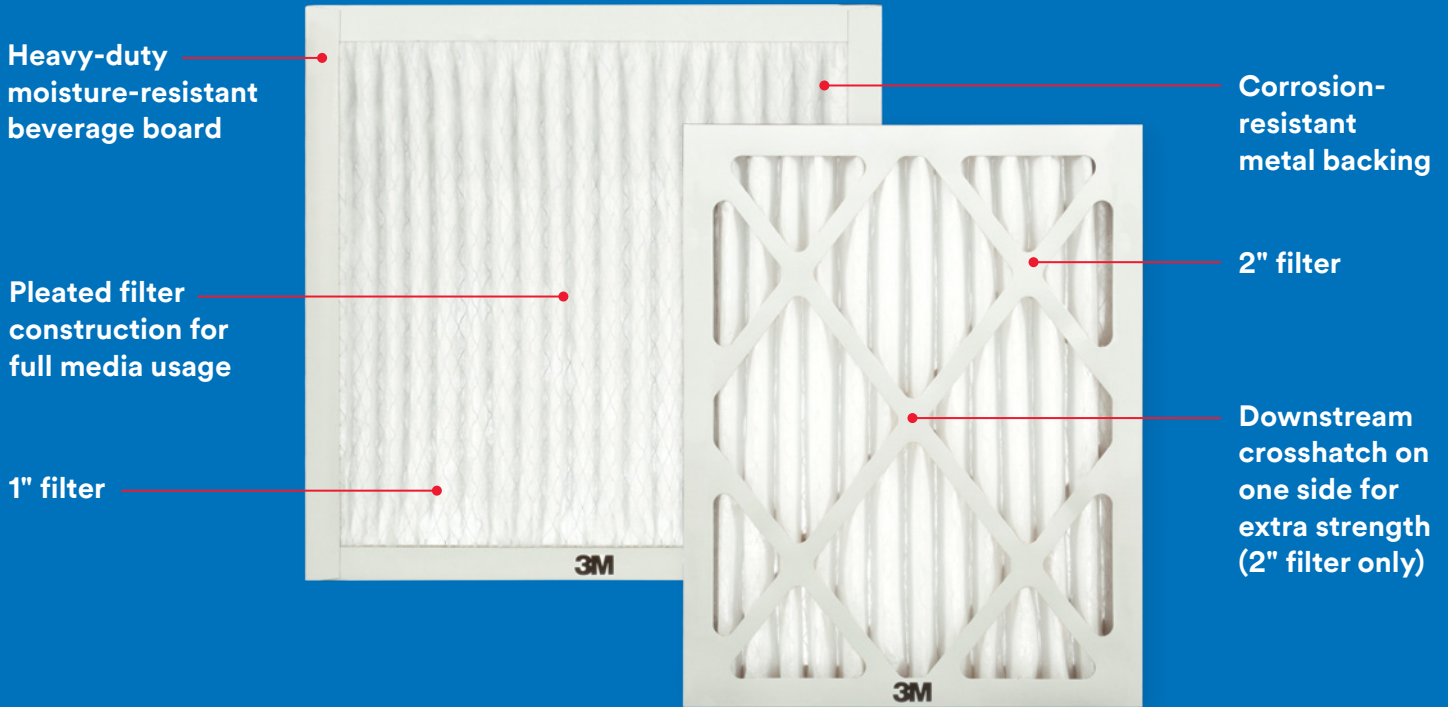# 3M™ MERV 8 Electrostatic Filters

3M™ Air Filters deliver performance and efficiency that's easy on HVAC systems, with low initial pressure drop and good airflow. 3M's proprietary electrostatic filter media helps protect equipment from accumulating lint, dust, mold spores, pollen and pet dander.

Heavy-duty moisture-resistant beverage board

Pleated filter construction for full media usage

1" filter

Corrosion-resistant metal backing

2" filter

Downstream crosshatch on one side for extra strength (2" filter only)

Application

3M™ MERV 8 Electrostatic Filters are designed for general air filtration in all types of residential cooling, heating and ventilation systems.
They are suitable for installation in front-access holding frames and side-access housings.
These filters are a better-performing upgrade from fiberglass and non-electrostatic filters.

Design and Construction

Media — proprietary electrostatic filter media designed and developed by 3M

Media Support — corrosion-resistant expanded metal wire

Pleat Design — pleated filter construction for full media usage

Frame — heavy-duty, moisture-resistant beverage board

Features

▶ Upgrade from fiberglass and mechanical MERV 8 filters

▶ Easy on HVAC systems, with low initial pressure drop and good airflow

▶ Proprietary electrostatic filter media designed and developed by 3M to meet high quality standards

▶ Filters are tested annually for performance in hundreds of real homes

▶ Electrostatic filter media helps protect equipment from unwanted particles

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1" 3M™ MERV 8 Electrostatic Filters

Size	Actual Size (inches)			Actual Size (centimeters)			295 fpm		500 fpm		Media Area (sq. ft.)
	Width	Length	Thickness	Width	Length	Thickness	cfm	Initial Resistance (inches WC)	cfm	Initial Resistance (inches WC)	
16×20×1	15 11/16	19 11/16	13/16	39.8	50.0	2.0	655	0.22	1110	0.47	4.1
16×25×1	15 11/16	24 11/16	13/16	39.8	62.7	2.0	820	0.22	1390	0.46	5.2
20×20×1	19 11/16	19 11/16	13/16	50.0	50.0	2.0	820	0.22	1390	0.46	5.2
20×25×1	19 11/16	24 11/16	13/16	50.0	62.7	2.0	1025	0.21	1735	0.45	6.5
14×25×1	13 13/16	24 13/16	13/16	35.0	63.0	2.0	715	0.22	1215	0.47	4.5
14×20×1	13 13/16	19 13/16	13/16	35.0	50.3	2.0	575	0.23	970	0.48	3.6
12×12×1	11 13/16	11 13/16	13/16	30.0	30.0	2.0	295	0.25	500	0.54	1.9
14×14×1	13 13/16	13 13/16	13/16	35.0	35.0	2.0	400	0.24	680	0.51	2.5
24×24×1	23 13/16	23 13/16	21/32	60.4	60.4	1.6	1180	0.21	2000	0.44	7.4
18×18×1	17 13/16	17 13/16	13/16	45.2	45.2	2.0	665	0.22	1125	0.47	4.2
12×20×1	11 13/16	19 13/16	13/16	30.0	50.3	2.0	490	0.23	835	0.5	3.1
14×30×1	13 13/16	23 13/16	13/16	35.0	60.4	2.0	860	0.22	1460	0.47	5.4
16×24×1	13 13/16	29 13/16	13/16	35.0	75.7	2.0	785	0.22	1335	0.46	5.0
14×24×1	15 13/16	23 13/16	13/16	40.1	60.4	2.0	690	0.22	1165	0.47	4.3
18×20×1	17 13/16	19 13/16	13/16	45.2	50.3	2.0	740	0.22	1250	0.46	4.7
20×22×1	19 13/16	21 11/16	13/16	50.3	55.0	2.0	900	0.21	1530	0.45	5.7
25×30×1	24 11/16	29 11/16	21/32	62.7	75.4	1.6	1535	0.2	2605	0.43	9.7

2" 3M™ MERV 8 Electrostatic Filters

Size	Actual Size (inches)			Actual Size (centimeters)			295 fpm		500 fpm		Media Area (sq. ft.)
	Width	Length	Thickness	Width	Length	Thickness	cfm	Initial Resistance (inches WC)	cfm	Initial Resistance (inches WC)	
16×20×2	15 1/2	19 1/2	1 3/4	39.3	49.5	4.4	655	0.12	1110	0.31	8.1
16×25×2	15 1/2	24 1/2	1 3/4	39.3	62.2	4.4	820	0.12	1390	0.30	10.1
20×20×2	19 1/2	19 1/2	1 3/4	49.5	49.5	4.4	820	0.12	1390	0.30	10.1
20×25×2	19 1/2	24 1/2	1 3/4	49.5	62.2	4.4	1025	0.12	1735	0.29	12.7
24×24×2	23 3/8	23 3/8	1 3/4	59.3	59.3	4.4	1180	0.12	2000	0.29	14.6
12×24×2	11 3/8	23 3/8	1 3/4	28.8	59.3	4.4	590	0.13	1000	0.32	7.3
16×24×2	15 3/8	23 3/8	1 3/4	39.0	59.3	4.4	785	0.12	1335	0.30	9.7
20×24×2	19 3/8	23 3/8	1 3/4	49.2	59.3	4.4	985	0.12	1665	0.29	12.2

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