

Standard Capacity MERV 8 Self-Supported Pleated Air Filter



Key Pleat™

MERV 8 High-Capacity Self-Supported Pleated Filters

- *Standard-Capacity MERV 8, MERV-A 8-A*
- *New automated process delivers consistency and durability*
- *Durable, self-supporting synthetic media*
- *No metal, fully incinerable*
- *Die cut frame with interlocking corners for added strength*

Standard Capacity MERV 8 Self-Supported Pleated Air Filter

Part Number	Nominal Size2 Inches (W x H x D)	Actual Size Inches (W x H x D)	Rated Air Flow Capacity (CFM)		Initial Resistance (In. W.G)	Gross Media Area (Sq. Ft.) Standard
			@300 FPM	@500 FPM		
KP-STD-10201	10 x 20 x 1	9-1/2 x 19-1/2 x 3/4	415	-	0.27	2.3
KP-STD-10241	10 x 24 x 1	9-3/8 x 23-3/8 x 3/4	500	-	0.27	2.8
KP-STD-12121	12 x 12 x 1	11-3/4 x 11-3/4 x 3/4	300	-	0.27	1.8
KP-STD-12201	12 x 20 x 1	11-1/2 x 19-1/2 x 3/4	500	-	0.27	2.8
KP-STD-12241	12 x 24 x 1	11-3/8 x 23-3/8 x 3/4	600	-	0.27	3.4
KP-STD-14141	14 x 14 x 1	13-3/4 x 13-3/4 x 3/4	410	-	0.27	2.4
KP-STD-14201	14 x 20 x 1	13-1/2 x 19-1/2 x 3/4	585	-	0.27	3.3
KP-STD-14241	14 x 24 x 1	13-3/8 x 23-3/8 x 3/4	700	-	0.27	4.0
KP-STD-14251	14 x 25 x 1	13-1/2 x 24-1/2 x 3/4	730	-	0.27	4.2
KP-STD-14301	14 x 30 x 1	13-3/4 x 29-3/4 x 3/4	875	-	0.27	5.2
KP-STD-15201	15 x 20 x 1	14-1/2 x 19-1/2 x 3/4	625	-	0.27	3.6
KP-STD-16161	16 x 16 x 1	15-1/2 x 15-1/2 x 3/4	530	-	0.27	3.0
KP-STD-16201	16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	665	-	0.27	3.8
KP-STD-16241	16 x 24 x 1	15-3/8 x 23-3/8 x 3/4	800	-	0.27	4.6
KP-STD-16251	16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	835	-	0.27	4.8
KP-STD-16301	16 x 30 x 1	15-3/4 x 29-3/4 x 3/4	1000	-	0.27	6.0
KP-STD-18181	18 x 18 x 1	17-3/4 x 17-3/4 x 3/4	675	-	0.27	4.1
KP-STD-18201	18 x 20 x 1	17-3/8 x 19-1/2 x 3/4	750	-	0.27	4.3
KP-STD-18241	18 x 24 x 1	17-3/8 x 23-3/8 x 3/4	900	-	0.27	5.2
KP-STD-18251	18 x 25 x 1	17-1/2 x 24-1/2 x 3/4	936	-	0.27	5.4
KP-STD-20201	20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	830	-	0.27	4.8
KP-STD-20221	20 x 22 x 1	19-3/4 x 21-3/4 x 3/4	915	-	0.27	5.5
KP-STD-20241	20 x 24 x 1	19-3/8 x 23-3/8 x 3/4	1000	-	0.27	5.9
KP-STD-20251	20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	1040	-	0.27	6.1
KP-STD-20301	20 x 30 x 1	19-1/2 x 29-1/2 x 3/4	1250	-	0.27	7.3
KP-STD-24241	24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	1200	-	0.27	7.0
KP-STD-24301	24 x 30 x 1	23-3/4 x 29-3/4 x 3/4	1500	-	0.27	9.1
KP-STD-25251	25 x 25 x 1	24-1/2 x 24-1/2 x 3/4	1300	-	0.27	7.7
KP-STD-10202	10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	-	700	0.30	4.0
KP-STD-12202	12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	-	840	0.30	4.8
KP-STD-12242	12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	-	1000	0.30	5.7
KP-STD-14202	14 x 20 x 2	13-1/2 x 19-1/2 x 1-3/4	-	980	0.30	5.5
KP-STD-14252	14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	-	1220	0.30	6.9
KP-STD-15202	15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	-	1050	0.30	6.0
KP-STD-16162	16 x 16 x 2	15-3/4 x 15-3/4 x 1-3/4	-	890	0.30	5.3
KP-STD-16202	16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	-	1120	0.30	6.5
KP-STD-16242	16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	-	1340	0.30	7.5
KP-STD-16252	16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	-	1400	0.30	8.2
KP-STD-18182	18 x 18 x 2	17-3/4 x 17-3/4 x 1-3/4	-	1125	0.30	6.6
KP-STD-18202	18 x 20 x 2	17-1/2 x 19-1/2 x 1-3/4	-	1250	0.30	7.3
KP-STD-18242	18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	-	1500	0.30	8.7
KP-STD-18252	18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	-	1570	0.30	9.2
KP-STD-20202	20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	-	1400	0.30	8.0
KP-STD-20242	20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	-	1670	0.30	9.6
KP-STD-20252	20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	-	1750	0.30	10.1
KP-STD-20302	20 x 30 x 2	19-1/2 x 29-1/2 x 1-3/4	-	2085	0.30	12.2
KP-STD-24242	24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	-	2000	0.30	11.8
KP-STD-25252	25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	-	2170	0.30	12.9

NOTES:

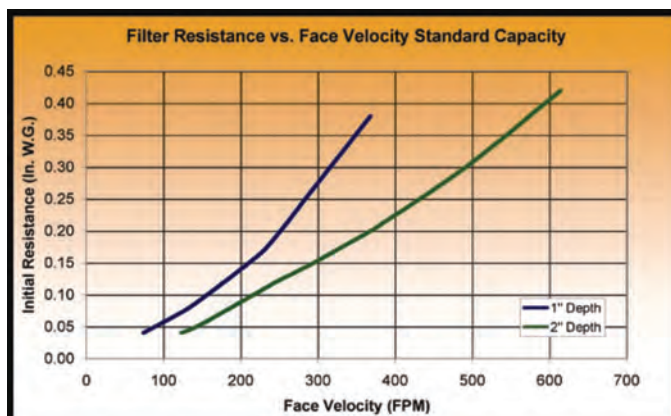
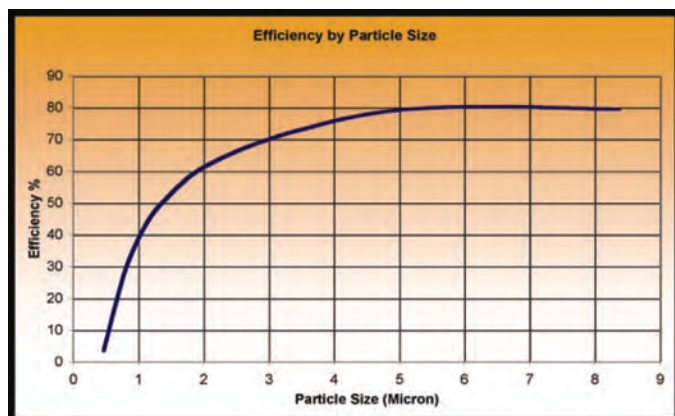
1. MERV 8, MERV-A 8-A
2. All performance data is based on the ASHRAE 52.2-2007 Test Standard. Tested at 492 FPM for a 24x24x2 or 24x24x4 size filter.
3. Maximum final resistance 1.0" W.G.
4. Filters may be installed with the pleats either vertical (preferred) or horizontal.
5. Special sizes available upon request

Underwriters Laboratories, Inc.

Classification: Key Pleat filters are classified per U.L. 900 for flammability only.

Operating Temperature Limits: Maximum operating temperature is 150°F (65°C).

Standard Capacity MERV 8 Self-Supported Pleated Air Filter



Specifications

1.0 Scope

This specification covers self supported-pleated panel filters that are a component of heating, ventilating and air conditioning systems.

2.0 Construction

The filters shall consist of a self-supporting pleated media pack contained in a die cut beverage board frame.

2.1 Media

The media shall consist of 100% synthetic fibers.

2.2 Media Pack

The media shall be formed into uniformly shaped pleats with equal height measured from pleat apex to apex. The media pack shall be self-supporting, without the use of metal backing. The media pack shall maximize surface area to ensure adhesion with the stabilizer support straps and die cut diagonal support straps.

The media pack and die cut frame dimensions shall be equal to completely seal the pack inside the filter.

The edges of the pack shall be roughed to allow complete adhesion to the frame.

2.3 Filter Frame

The pleated media pack shall be contained in a frame made from a single-piece of die cut beverage board with high wet-strength characteristics. The die cut frame shall fully overlap around the entire perimeter of the filter.

Diagonal support members shall provide support for the media pack on the air-leaving side.

The die cut frame shall interlock in the corners, providing additional strength and rigidity.

2.4 Media Pack Adhesive

The entire inside surface of the die cut frame shall be coated with a water-repellent adhesive to bond the pack inside the frame on all four edges. The pleat tips shall be bonded to the diagonal support members at all points of contact on the air-leaving side.

The adhesive shall be water-repellent and maintain its bonding characteristics when wet. The adhesive shall not soften or dissolve when the filter is wet.

3.0 Performance

3.1 Filter Performance

The filters shall meet the following minimum performance requirements based on the ASHRAE 52.2-2007 test standard. Testing shall be performed at 295 FPM on 1" filters and 492 FPM on 2" filters.

3.2 Maximum Operating Temperature

The maximum operating temperature for the filter shall be 150°F (65°C).

3.3 Underwriters Laboratories Classification

The filters shall be classified per U.L. Standard 900 for flammability only.



P-KEYPLEAT-511