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## Mini-Pleat Synthetic filters

MERV11 to MERV 15 rated filters are the new generation high efficiency mini - pleat panel filters available in a wide range of efficiencies from MERV 11 to MERV 15 (EN779 M6 to F9) Mini-pleat filters are designed for use in HVAC applications and many diverse OEM applications where highest degree of air cleanliness is required. The compact design, large surface area and low initial resistance make it an ideal alternative to ordinary bag filters and box type filters of the similar efficiencies. Filters are available with or without a header.



Available in single, double or no header frames

ASHRAE 52.2: MERV 11 to MERV 15

EN779: M6 to F9 efficiencies / Metal or Plastic Frame

### Media Features and Technical Details

A 100% synthetic filter media made from a modified melt blown process having graded fiber density ensuring coarse fibers upstream and fine fibers downstream is closely pleated using a computer controlled thermo-plastic bead separator. The low initial pressure drop provides longer service life and the compact design make it an ideal design for many applications. The filter media used is inherently anti-microbial and so it inhibits the growth of micro organisms.

Nominal Size Inches  (H x W x D)	Air Flow CFM			Initial Resistance to air flow (in. w.g.)											
	L	M	H	MERV 11 / F6			MERV 13 / F7			MERV14 / F8			MERV 15 / F9		
				MPS6			MPS8			MPS9			MPS98		
				L	M	H	L	M	H	L	M	H	L	M	H
24 X 24 X 6	1000	1500	2000	0.14	0.24	0.38	0.18	0.32	0.49	0.26	0.45	0.66	0.30	0.52	0.74
24 x 12 x 6	500	750	1000	0.14	0.24	0.38	0.18	0.32	0.49	0.26	0.45	0.66	0.30	0.52	0.74
24 x 24 x 4	1000	1500	2000	0.16	0.26	0.40	0.20	0.34	0.52	0.29	0.48	0.69	0.32	0.54	0.77
24 x 12 x 4	500	750	1000	0.16	0.26	0.40	0.20	0.34	0.52	0.29	0.48	0.69	0,32	0.54	0.77
24 x 20 x 4	825	1240	1650	0.16	0.26	0.40	0.20	0.34	0.52	0.29	0.48	0.69	0,32	0.54	0.77
24 x 24 x 2	1000	1500	2000	0.18	0.30	0.49	0.29	0.52	0.82	0.36	0.62	0.93	0.39	0.70	1.06
24 x 12 x 2	500	750	1000	0.18	0.30	0.49	0.29	0.52	0.82	0.36	0.62	0.93	0.39	0.70	1.06
24 x 20 x 2	825	1240	1650	0.18	0.30	0.49	0.29	0.52	0.82	0.36	0.62	0.93	0.39	0.70	1.06
24 x 24 x 1	1000	1500	2000	0.36	0.63	1.0	0.66	—	—	0.72	—	—	0.79	—	—
24 x 12 x 1	500	750	1000	0.36	0.63	1.0	0.66	—	—	0.72	—	—	0.79	—	—
24 x 20 x 1	825	1240	1650	0.36	0.63	1.0	0.66	—	—	0.72	—	—	0.79	—	—

Recommended Final Resistance: 1.5" w.g. \*Maximum Pressure Drop: 1.80"w.g.

\*Maximum Temp: 180° F