

## M - PLEAT MERV 8

### MATERIAL AND OPERATION CONDITIONS

The top-performing self-supported pleated filter in the market. The mechanical efficiency is not impacted by electric charging technology.

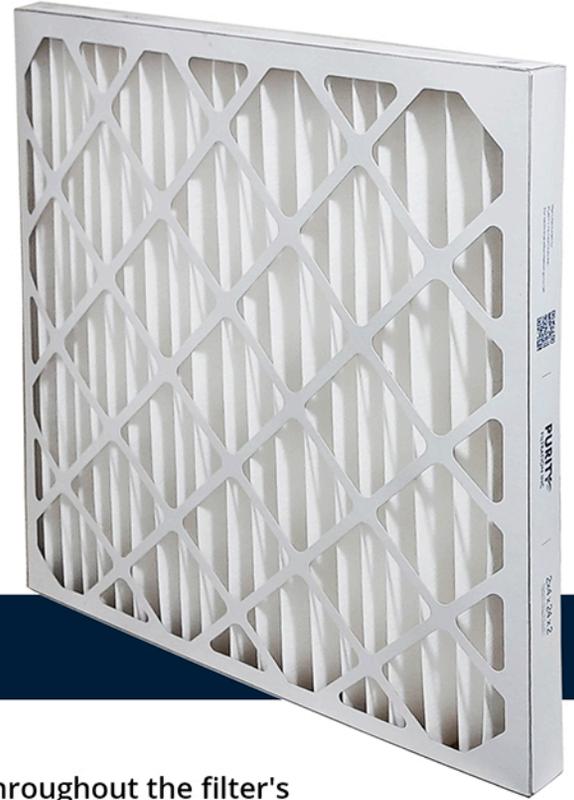
Media that is consistent with a controlled fiber size and blend.

Incorporates antimicrobia

Available in different sizes

Eco-friendly - No harmful dyes or metals, fully capable of being incinerated.

Media that supports itself, made from pure fibers and requiring no wire support.



### PRODUCT FEATURES

The **M-PLEAT** filter is engineered to consistently boost efficiency throughout the filter's service life. It has around 25% more media than the standard capacity filter, and also incorporates an antimicrobial agent. This agent is applied to the media to maintain its integrity by preventing microbial growth. The **M-PLEAT** filter has an initial MERV 8 rating, but its efficiency increases significantly as it begins to hold dust. The **M-PLEAT** filter has distinct self-supporting characteristics that permit a pleating pattern that enhances airflow and maximizes Dust Holding Capacity. This pleating pattern maximizes Dust Holding Capacity (DHC). The **M-PLEAT** filter is perfect for applications where pleated filters are currently in use and higher efficiencies are desired or required. It is also suitable for high moisture conditions where bacterial growth is likely to occur on air filters.

### MEDIA DESIGN

Fibers of uniform size made from virgin materials are blended in controlled proportions to create a media that is both self-supporting and consistent in its performance. When pleated, this media does not require wire support like traditional pleated filters, eliminating the potential for rust formation and making it safer to handle. Due to its superior resilience, **M-PLEAT** filters can endure heavy use without losing their shape or pleat spacing, and because it does not require wire support, it can be fully incinerated for disposal.

**PURITY M-PLEAT is Eco-friendly no dies,  
no metal, fully incinerable, We really  
care the air you breath**

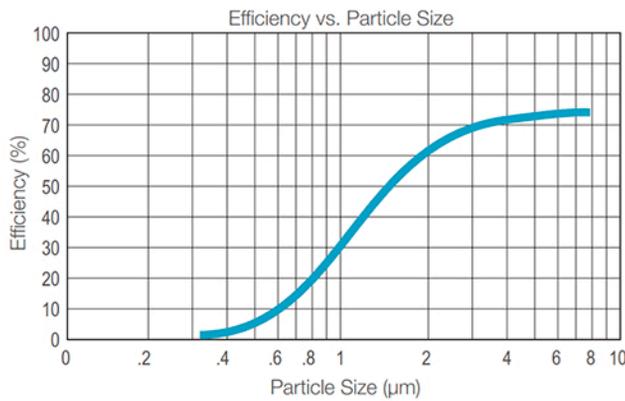


## TECHNICAL INFORMATION

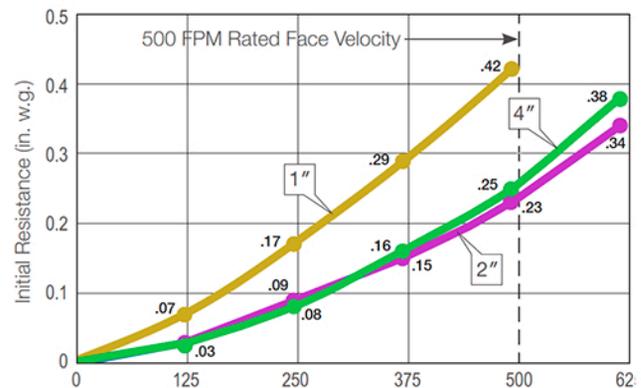
### PERFORMANCE DATA

SIZE	PLEATS PER FOOT	RATED INITIAL RESISTANCE			RECOMMENDED	MERV	MAX TEMPERATURE
		300 FPM	500 FPM	625 FPM	FINAL RESISTANCE ( IN. W.G)		
1"	15	.23	.42	-	1.0	8	150°F (66°C)
2"	15	.12	.23	.34	1.0	8	150°F (66°C)
4"	11	.12	.25	.38	1.0	8	200°F (93°C)

### COMPOSITE MINIMUM EFFICIENCY CURVE



### INITIAL RESISTANCE VS. FILTER FACE VELOCITY



NOMINAL SIZE	ACTUAL SIZE	RATED AIRFLOW (SCFM)			PLEATS PER FILTER
		300 FPM	500 FPM	645 FPM	
INCHES ( W x H x D )	INCHES ( W x H x D )				
12 x 24 x 1	11 3/8 x 23 3/8 x 3/4	600	1000	-	14
16 x 20 x 1	15 3/8 x 19 3/8 x 3/4	650	1100	-	19
16 x 25 x 1	15 3/8 x 24 3/8 x 3/4	850	1400	-	19
20 x 20 x 1	19 3/8 x 19 3/8 x 3/4	850	1400	-	24
20 x 25 x 1	19 3/8 x 24 3/8 x 3/4	1050	1750	-	24
24 x 24 x 1	23 3/8 x 23 3/8 x 3/4	1200	2000	-	29
25 x 25 x 1	24 3/8 x 24 3/8 x 3/4	1300	2200	-	30
12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	600	1000	1250	14
16 x 20 x 2	15 3/8 x 19 3/8 x 1 3/4	650	1100	1400	19
16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	800	1350	1650	19
16 x 25 x 2	15 3/8 x 24 3/8 x 1 3/4	850	1400	1750	19
20 x 20 x 2	19 3/8 x 19 3/8 x 1 3/4	850	1400	1750	24
20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1000	1650	2100	24
20 x 25 x 2	19 3/8 x 24 3/8 x 1 3/4	1050	1750	2150	24
24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1200	2000	2500	29
25 x 25 x 2	24 3/8 x 24 3/8 x 1 3/4	1300	2150	2700	30
12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	600	1000	1250	10
24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	1200	2000	2500	21