

PLEATED FILTER SERIES

PURITY
FILTRATION INC

SC - PLEAT MERV 8

MATERIAL AND OPERATION CONDITIONS

The top-performing self-supported pleated filter in the market. Our SC-PLEAT MERV 8 filters are meticulously engineered to deliver consistent efficiency improvements over the course of their operational life.

While they initially possess a MERV 8 rating, their effectiveness significantly amplifies as dust accumulates.

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

Media will hold its shape without the wire support characteristic of conventional pleated filters.



PRODUCT FEATURES

The **SC-PLEAT MERV 8** filter has an initial MERV 8 rating, but its efficiency increases significantly as it begins to hold dust. The **SC-PLEAT MERV 8** 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 **SC-PLEAT MERV 8** 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.

The frame is crafted from the robust wet-strength. board, securely attached to the media pack. Filters resists crushing and abuse and provides excellent lateral stability for installation in side access systems.

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, **SC-PLEAT MERV 8** 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.

Underwriters Laboratories Classification – SC Pleat MERV 8 filters are UL Classified. Testing was performed according to UL Standard 900.

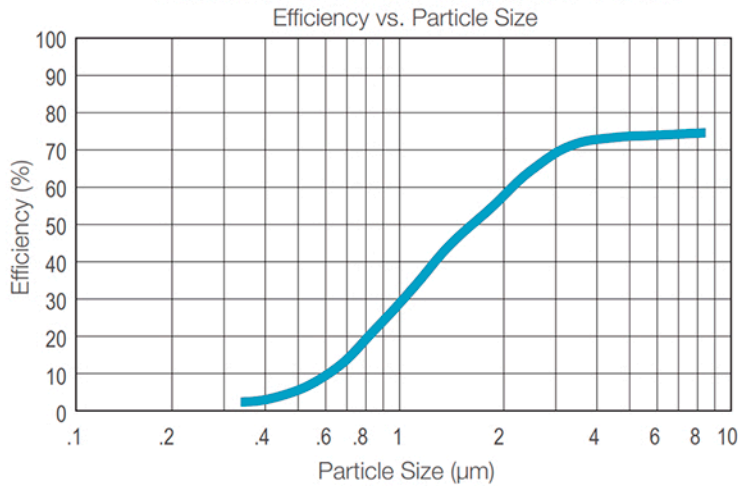
**PURITY SC-PLEAT is Eco-friendly no dies,
no metal, fully incinerable, We really
care the air you breath**



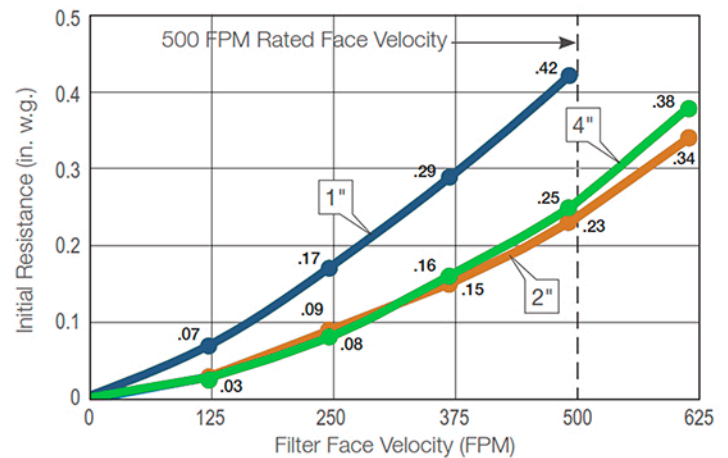
PERFORMANCE DATA

SIZE	PLEATS PER FOOT	RATED INITIAL RESISTANCE			RECOMMENDED FINAL RESISTANCE (IN. W.G.)	MERV	MAX TEMPERATURE
		300 FPM	500 FPM	625 FPM			
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	
12 x 24 x 1	11 3/8 x 23 3/8 x 3/4	600	1000	-	16
14 x 18 x 1	13 1/2 x 17 3/8 x 3/4	600	1000	-	19
16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	1100	-	21
16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	850	1400	-	21
20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	850	1400	-	25
20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1750	-	25
24 x 24 x 1	23 3/8 x 23 3/8 x 3/4	1200	2000	-	29
12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	600	1000	1250	10
16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	800	1350	1650	14
16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	850	1400	1750	14
20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	850	1400	1750	17
20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1000	1650	2100	22
20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1050	1750	2150	17
24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1200	2000	2500	20
25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1300	2150	2700	21
12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	600	1000	1250	13
16 x 24 x 4	15 3/8 x 23 3/8 x 3 3/4	800	1350	1650	14
16 x 25 x 4	15 3/8 x 24 3/8 x 3 3/4	850	1400	1750	12
20 x 20 x 4	19 3/8 x 19 3/8 x 3 3/4	850	1400	1750	22
20 x 25 x 4	19 3/8 x 24 3/8 x 3 3/4	1050	1750	2150	22
24 x 20 x 4	23 3/8 x 19 3/8 x 3 3/4	1000	1650	2100	15
24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	1200	2000	2500	18