THE WORLD LEADER IN CLEAN AIR SOLUTIONS

PREpleat® LPD SC M10

(Low Pressure Drop, Standard Capacity)

EXTENDED SURFACE PLEATED PANEL FILTERS

- Low resistance MERV 10 media offering higher Dust Holding Capacity (DHC) than competitive M10 filters
- Ecologically friendly frame components made from recyclable materials
- Expanded metal grid maintains pleat shape during operation for full media utilization and high DHC
- Diagonal support members and wire-backed media contribute to overall strength of construction
- Filter media pack is bonded to the frame at all points of contact to eliminate air bypass
- MERV 10

Air filters are designed for dust holding, pressure drop, and MERV rating. AAF's PREpleat LPD SC filter is the lowest initial resistance standard capacity MERV 10 pleated filter in the industry. Combined with its high DHC, the PREpleat LPD SC filter provides an extended life cycle and energy efficient performance.

Superior Design and Construction

Media: 100% synthetic non-woven, proprietary media that can be recycled. Engineered with a gradient density composition that achieves a MERV 10 rating using the mechanical method of particle capture. Media does not rely on an electrostatic charge to capture particulate, since electrostatic charge dissipates over time.

Media Support: Expanded metal is continuously laminated on the air leaving side to provide pleat stability during operation. Pleat shape is maintained allowing full media utilization which maximized DHC.

Pleat Design: V-Pleat design aids in pressure drop while reducing energy cost. Design allows for maximum airflow and DHC during the life of the filter.

Frame: Heavy-duty, two piece, moisture-resistant frame with diagonal support members. Frame is bonded to the media at all points of contact for unsurpassed frame strength. Interlocking corners and positive media-to-frame seal reduce the possibility of air bypass.

Operating Temperature Limits: Maximum operating temperature is 180°F (82°C).

Applications

The PREpleat LPD SC standard capacity pleated panel filters are suitable as prefilters but are best suited for heavy duty, commercial, industrial, pharmaceutical, as well as other industrial applications where high dust holding is required. The PREpleat LPD SC filters are suitable for installation in front access holding frames and side access housings.

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PREpleat® LPD SC M10 Filters

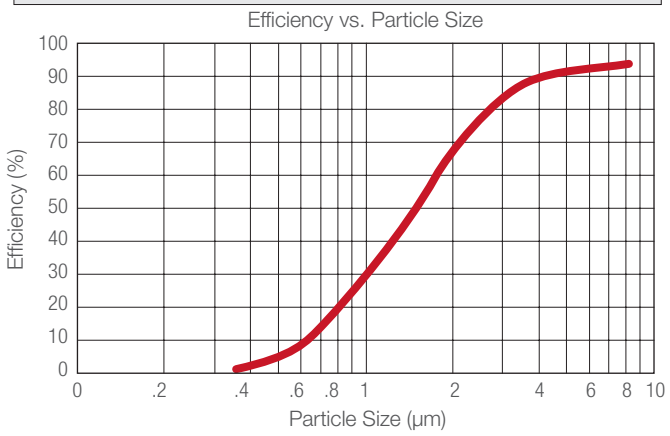
Performance Data

PREpleat SC Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits
		300 FPM	500 FPM			
1" PREpleat LPD SC	13	.22	–	1.0	10	180°F (82°C)
2" PREpleat LPD SC	10	.11	.28	1.0	10	180°F (82°C)
4" PREpleat LPD SC	9	.06	.21	1.0	10	180°F (82°C)

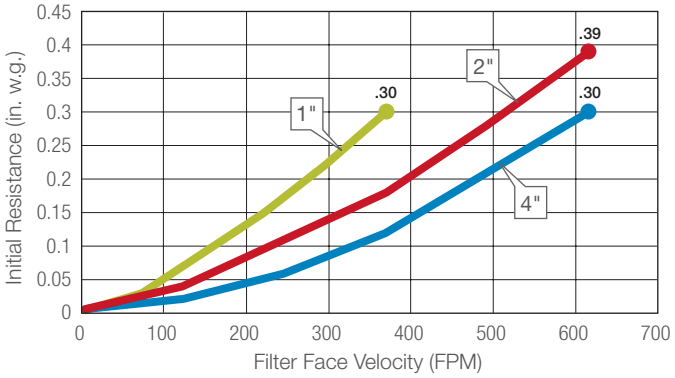
All performance data based on ASHRAE Standard 52.2. Performance tolerance conforms to Section 6.4 of ANSI/AHRI Standard 850-2013.

***Underwriters Laboratories Classification** – PREpleat filters are UL Classified. Testing was performed according to UL Standard 900.*

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



Product Information – Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
12 x 24 x 1	11⅜ x 23⅜ x ¾	600	1000	–	13	3.6
14 x 20 x 1	13½ x 19½ x ¾	600	950	–	16	3.7
14 x 25 x 1	13½ x 24½ x ¾	750	1200	–	16	4.6
16 x 20 x 1	15½ x 19½ x ¾	650	1100	–	18	4.1
16 x 25 x 1	15½ x 24½ x ¾	850	1400	–	18	5.2
18 x 24 x 1	17½ x 23½ x ¾	900	1500	–	20	5.5
18 x 25 x 1	17½ x 24½ x ¾	950	1550	–	20	5.8
20 x 20 x 1	19½ x 19½ x ¾	850	1400	–	22	5.1
20 x 24 x 1	19½ x 23½ x ¾	1000	1650	–	22	6.1
20 x 25 x 1	19½ x 24½ x ¾	1050	1750	–	22	6.4
24 x 24 x 1	23⅜ x 23⅜ x ¾	1200	2000	–	26	7.2
25 x 25 x 1	24½ x 24½ x ¾	1300	2150	–	27	7.8
12 x 24 x 2	11⅜ x 23⅜ x 1¾	600	1000	1250	10	6.1
14 x 20 x 2	13½ x 19½ x 1¾	600	950	1150	12	6.1
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500	12	7.6
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400	14	7.1
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750	14	8.9
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1900	15	9.1
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950	15	9.5
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750	17	8.6
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100	17	10.3
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150	17	10.8
24 x 24 x 2	23⅜ x 23⅜ x 1¾	1200	2000	2500	20	12.1
12 x 24 x 4	11⅜ x 23⅜ x 3¾	600	1000	1250	9	11.4
16 x 20 x 4	15⅜ x 19⅜ x 3¾	650	1000	1400	12	12.7
16 x 25 x 4	15½ x 24⅜ x 3¾	850	1400	1750	12	15.9
18 x 24 x 4	17⅜ x 23⅜ x 3¾	900	1500	1875	14	17.8
20 x 20 x 4	19⅜ x 19⅜ x 3¾	850	1400	1750	15	15.8
20 x 24 x 4	19⅜ x 23⅜ x 3¾	1000	1650	2100	15	19.0
20 x 25 x 4	19⅜ x 24⅜ x 3¾	1050	1750	2150	15	19.9
24 x 24 x 4	23⅜ x 23⅜ x 3¾	1200	2000	2500	18	22.9

Energy savings may be realized by operating the PREpleat LPD SC filters to a lower final resistance. Contact your local AAF representative for a Total Cost of Ownership analysis for your specific application.

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AAF International has a policy of continuous product research and improvement. We reserve the right to change design and specifications without notice.

ISO Certified Firm