

SERIES 1100 PLEAT



SPECIFICATIONS

- Achieves a MERV 11
- Available in 1", 2" & 4" depths
- High performing 100% synthetic media with low initial pressure drop
 - Initial efficiency greater than 65% on 1-3 micron particles & 2x greater than traditional cotton poly
- Durable construction optimizes performance
 - Media is laminated to air exit side support grid prevents fluttering and maintains pleat uniformity
 - Media pack is bonded to all sides of frame to prevent air by-pass
 - High wet strength beverage board will not warp, crack or distort under normal operating conditions
 - High strength frame increases durability and prevents breaching

ADVANTAGES

- Optimized pleat shape accumulates heavier restrictive particles at the bottom of the pleats leaving sides open for longer filtration life
- Effective dust loading reduces strain on equipment
- Moisture resistant media does not support microbial growth
- Excellent pre-filter for high efficiency air filters

PRODUCTS DATA

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES		PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			300 fpm	375 fpm				375 fpm	500 fpm
19619	10 x 20 x 1	9 ½ x 19 ½ x ¾	400	525	19648	10 x 20 x 2	9 ½ x 19 ½ x 1 ¾	525	700
19620	10 x 24 x 1	9 3/8 x 23 3/8 x ¾	500	625	19649	12 x 20 x 2	11 ½ x 19 ½ x 1 ¾	625	825
19621	10 x 25 x 1	9 ¾ x 24 ¾ x ¾	525	650	19650	12 x 24 x 2	11 3/8 x 23 3/8 x 1 ¾	750	1000
19622	12 x 12 x 1	11 ¾ x 11 ¾ x ¾	300	375	19651	14 x 20 x 2	13 ½ x 19 ½ x 1 ¾	725	975
19624	12 x 20 x 1	11 ½ x 19 ½ x ¾	500	625	19652	14 x 25 x 2	13 ½ x 24 ½ x 1 ¾	900	1200
19625	12 x 24 x 1	11 ½ x 23 ½ x ¾	600	750	19653	15 x 20 x 2	14 ½ x 19 ½ x 1 ¾	775	1025
19626	12 x 25 x 1	11 ½ x 24 ½ x ¾	625	775	19654	16 x 16 x 2	15 ½ x 15 ½ x 1 ¾	650	875
19627	14 x 20 x 1	13 ½ x 19 ½ x ¾	575	725	19655	16 x 20 x 2	15 ½ x 19 ½ x 1 ¾	825	1100
19628	14 x 24 x 1	13 ½ x 23 ½ x ¾	700	875	19656	16 x 24 x 2	15 3/8 x 23 3/8 x 1 ¾	1000	1325
19629	14 x 25 x 1	13 ½ x 24 ½ x ¾	725	900	19657	16 x 25 x 2	15 ½ x 24 ½ x 1 ¾	1050	1400
19630	15 x 20 x 1	14 ½ x 19 ½ x ¾	625	775	19659	18 x 24 x 2	17 3/8 x 23 3/8 x 1 ¾	1125	1500
19631	15 x 25 x 1	14 ½ x 24 ½ x ¾	800	975	19660	18 x 25 x 2	17 ½ x 24 ½ x 1 ¾	1175	1550
19632	16 x 16 x 1	15 ¾ x 15 ¾ x ¾	525	650	19661	20 x 20 x 2	19 ½ x 19 ½ x 1 ¾	1050	1400
19633	16 x 20 x 1	15 ½ x 19 ½ x ¾	650	825	19662	20 x 24 x 2	19 3/8 x 23 3/8 x 1 ¾	1250	1650
19634	16 x 24 x 1	15 ½ x 23 ½ x ¾	800	1000	19663	20 x 25 x 2	19 ½ x 24 ½ x 1 ¾	1300	1750
19635	16 x 25 x 1	15 ½ x 24 ½ x ¾	825	1050	19664	24 x 24 x 2	23 3/8 x 23 3/8 x 1 ¾	1500	2000
19636	18 x 18 x 1	17 ¾ x 17 ¾ x ¾	675	850	19665	25 x 25 x 2	24 ½ x 24 ½ x 1 ¾	1625	2150
19637	18 x 20 x 1	17 ½ x 19 ½ x ¾	750	925				500 fpm	625 fpm
19639	18 x 24 x 1	17 ½ x 23 ½ x ¾	900	1125	19666	12 x 24 x 4	11 3/8 x 23 3/8 x 3 ¾	1000	1250
19640	18 x 25 x 1	17 ½ x 24 ½ x ¾	925	1175	19667	16 x 20 x 4	15 ½ x 19 ½ x 3 ¾	1100	1400
19641	20 x 20 x 1	19 ½ x 19 ½ x ¾	825	1050	19668	16 x 25 x 4	15 ½ x 24 ½ x 3 ¾	1400	1750
19642	20 x 24 x 1	19 ½ x 23 ½ x ¾	1000	1250	19669	18 x 24 x 4	17 3/8 x 23 3/8 x 3 ¾	1500	1875
19643	20 x 25 x 1	19 ½ x 24 ½ x ¾	1050	1300	19670	20 x 20 x 4	19 ½ x 19 ½ x 3 ¾	1400	1750
19645	24 x 24 x 1	23 ½ x 23 ½ x ¾	1200	1500	19671	20 x 24 x 4	19 3/8 x 23 3/8 x 3 ¾	1650	2100
19646	25 x 25 x 1	24 ½ x 24 ½ x ¾	1300	1625	19672	20 x 25 x 4	19 ½ x 24 ½ x 3 ¾	1750	2200
					19673	24 x 24 x 4	23 3/8 x 23 3/8 x 3 ¾	2000	2500
					19674	25 x 29 x 4	24 3/8 x 28 3/8 x 3 ¾	2525	3150
*Contact Customer Care for special sizes									

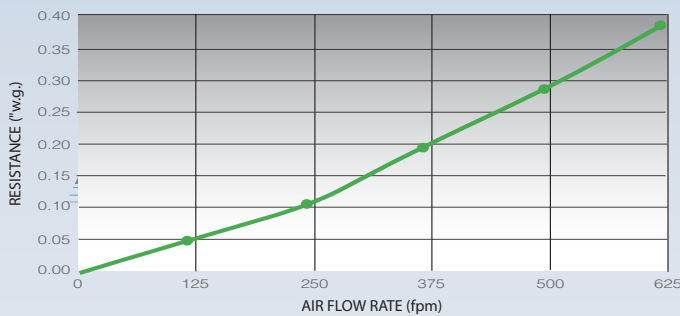
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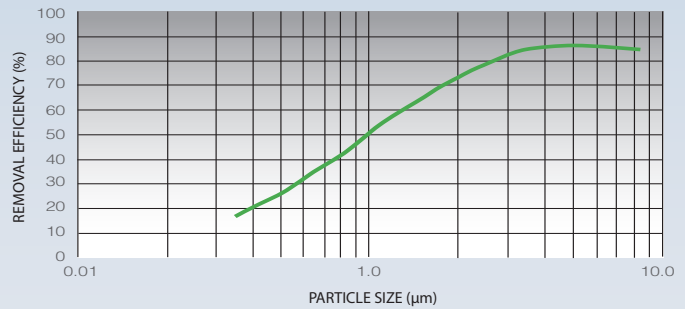
PERFORMANCE DATA (24 x 24)

CAPACITY	FILTER	INITIAL RESISTANCE ("w.g.)				FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	625 fpm	
High	1"	0.20	0.28	–	–	1.0
	2"	–	0.19	0.28	0.38	1.0
	4"	–	0.13	0.22	0.33	1.0

INITIAL RESISTANCE (24 x 24 x 2)



MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



ENGINEERING SPECIFICATIONS

1.0 General

- 1.1 Filters shall be Aerostar® Series 1100 extended surface pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in depths of 1", 2", and 4".
- 1.3 Underwriters Laboratories classified to UL 900.

2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic media that does not support microbial growth.
- 2.2 Filters shall have a high wet strength beverage board with a cross member design that increases filter rigidity and prevents breaching. Frame shall be recyclable.

- 2.3 Filters shall have an expanded metal support grid bonded to the air-exiting side of the filter to maintain pleat uniformity and prevent fluttering. Metal support grid shall be recyclable and contain a significant amount of post-consumer and pre-consumer content.

3.0 Filter Performance

- 3.1 Filters shall be MERV 11 when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.