

SERIES 550 ODOR REMOVAL PLEAT



SPECIFICATIONS

- Achieve a MERV 5 & 6
- Available in 1", 2" and 4" depths
- Carbon enhanced pleated filter for odor removal

ADVANTAGES

- Excellent gas phase filter for intermittent gas applications
- Fits all standard front access frames and side access housings
- Disposable, easy to use, low service cost
- Non-dusting media with 200 grams of carbon per square meter of self-supporting media

PRODUCTS DATA

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			300 fpm	375 fpm
21088	10 x 10 x 1	9 1/2 x 9 1/2 x 3/4	200	250
21089	10 x 20 x 1	9 1/2 x 19 1/2 x 3/4	400	525
56665	12 x 12 x 1	11 3/4 x 11 3/4 x 3/4	300	375
19938	12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	625
15839	12 x 24 x 1	11 1/2 x 23 1/2 x 3/4	600	750
17193	14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	575	725
21090	14 x 24 x 1	13 1/2 x 23 1/2 x 3/4	700	875
21091	14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	725	900
16632	15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	625	775
21092	16 x 16 x 1	15 3/4 x 15 3/4 x 3/4	525	650
17051	16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	825
21093	16 x 24 x 1	15 1/2 x 23 1/2 x 3/4	800	1000
15849	16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	825	1025
21094	18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	925
21095	18 x 24 x 1	17 1/2 x 23 1/2 x 3/4	900	1125
17452	18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	925	1175
15840	20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	825	1050
15841	20 x 24 x 1	19 1/2 x 23 1/2 x 3/4	1000	1250
17050	20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1300
21096	22 x 22 x 1	21 3/4 x 21 3/4 x 3/4	1000	1250
15842	24 x 24 x 1	23 1/2 x 23 1/2 x 3/4	1200	1500
15847	25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	1625

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			375 fpm	500 fpm
21097	10 x 20 x 2	9 3/4 x 19 1/2 x 1 3/4	525	700
17077	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	750	1000
19392	14 x 20 x 2	13 1/2 x 19 1/2 x 1 3/4	725	975
19393	14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	900	1200
21098	15 x 20 x 2	14 1/2 x 19 1/2 x 1 3/4	775	1025
15866	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	825	1100
21099	16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	1000	1325
17049	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	1050	1400
21100	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	1125	1500
15848	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	1050	1400
39928	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1250	1650
16337	20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1300	1750
16336	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1500	2000
16338	25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1625	2150
			500 fpm	625 fpm
16385	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	1000	1250
52245	16 x 20 x 4	15 1/2 x 19 1/2 x 3 3/4	1100	1400
56175	16 x 25 x 4	15 1/2 x 24 1/2 x 3 3/4	1400	1750
21101	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	1500	1875
17081	20 x 20 x 4	19 1/2 x 19 1/2 x 3 3/4	1400	1750
21102	20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	1650	2100
51676	20 x 25 x 4	19 1/2 x 24 1/2 x 3 3/4	1750	2200
17087	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	2000	2500

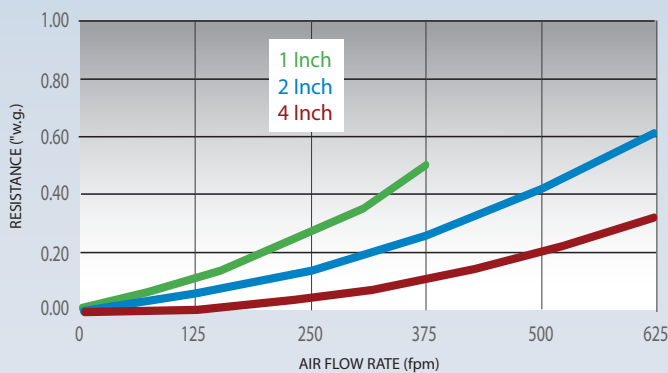
* Contact Customer Care for additional sizes and information.

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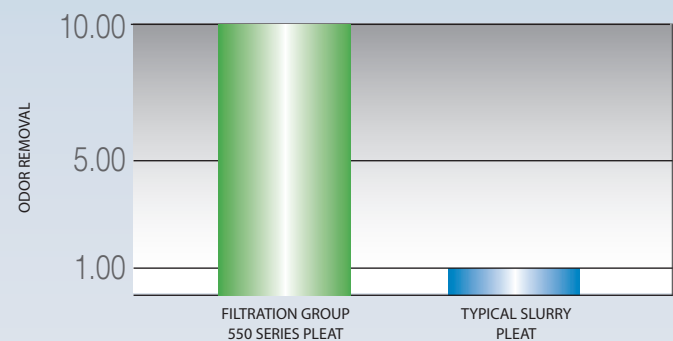
PERFORMANCE DATA (24 x 24)

FILTER DEPTH	INITIAL RESISTANCE ("w.g.)		FINAL RESISTANCE ("w.g.)	MERV @ 500 fpm
	300 fpm	500 fpm		
1"	0.36	N/A	1.0	5/6
2"	0.19	0.42	1.0	5/6
4"	0.09	0.21	1.0	6

INITIAL RESISTANCE (24 x 24)



ODOR REMOVAL*



* Amount of gas or odor removed at 50% breakthrough given 80ppm of Toulene @ 40 fpm (media velocity)

ENGINEERING SPECIFICATIONS

1.0 General

- 1.1 Filters shall be Aerostar® Series 550 odor removal pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in nominal depths of 1", 2" and 4".

2.0 Filter Materials of Construction

- 2.1 Media shall be carbon loaded non-woven media consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain virgin coconut shell activated carbon loaded at >160 grams per square meter.
- 2.2 Filters shall have a high wet strength beverage board with cross member design that increases filter rigidity and prevents breaching. Frame shall be recyclable.

- 2.3 Filters shall be of a metal-free construction that can be completely incinerated and does not contain galvanized steel in order to reduce its impact when land filled.

3.0 Filter Performance

- 3.1 Filters shall be available in a MERV 5, 6 configuration when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filters shall be rated to withstand a continuous operating temperature of up to 150°F.
- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.