

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 |
| 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 |
| | | | 500 fpm | 625 fpm |

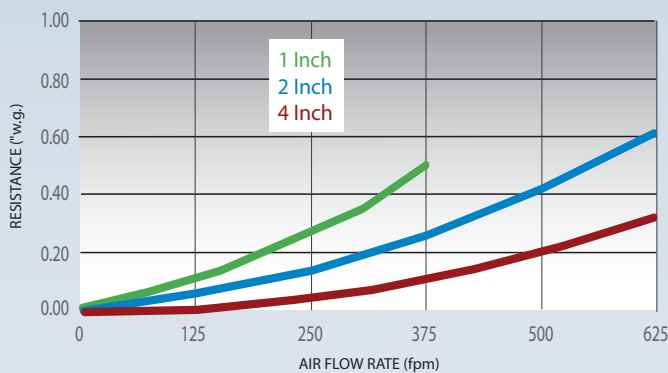
* Contact Customer Care for additional sizes and information.

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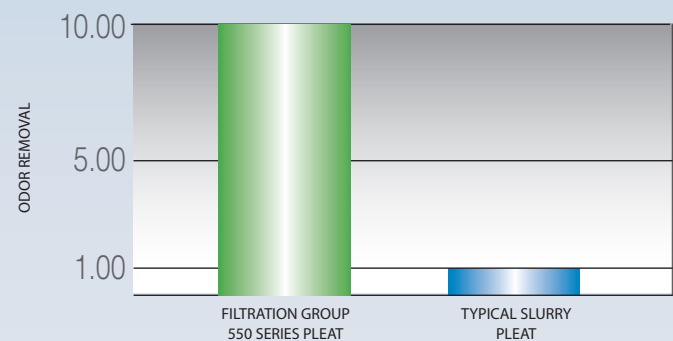
PERFORMANCE DATA (24 x 24)

| 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 Toluene @ 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.