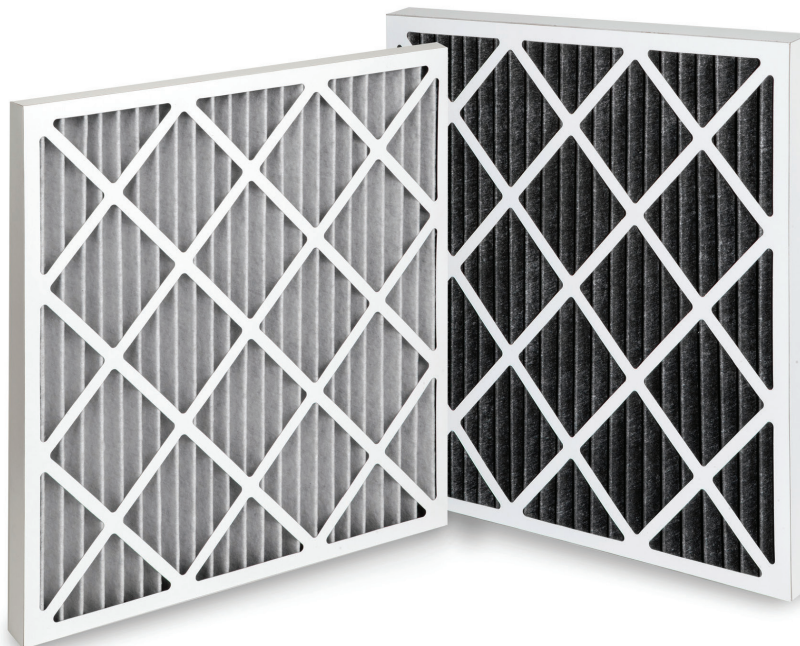


## PRODUCT OVERVIEW

- HEGA 651 grade carbon for broad spectrum chemical removal including VOCs, ozone, acid gases and formaldehyde
- MERV 10
- Available in 1", 2" and 4" depths
- Ideal for use where both carbon and particulate filtration are needed
  - Commercial and Industrial
  - Office buildings
  - Hospitals
  - Airports
  - Food courts
  - Manufacturing facilities



## PURAFILTER® SERIES 750 PLUS CARBON PLEAT

### WHY THE PURAFILTER® SERIES 750 ODOR REMOVAL PLEAT?

- High levels of both particulate and gas phase air filtration compared to standard carbon pleated filters
- Non-dusting, self supporting pleated media reduces weight and does not sacrifice efficiency
- Advanced media does not rely on electrostatic charge for particulate efficiency
- 50% higher carbon loading vs. Purafilter® Series 550 odor removal pleat
- Fits all standard front access frames & side access housings
- Disposable, easy to use, low service cost
- Out performs competitors carbon slurry media products which blind off the surface area of the activated carbon

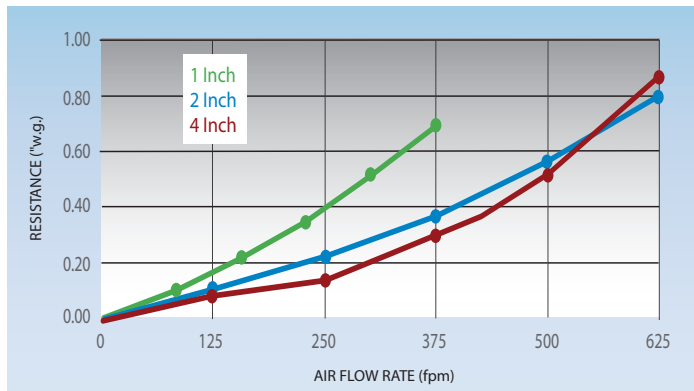


# PURAFILTER® SERIES 750 CARBON PLEAT

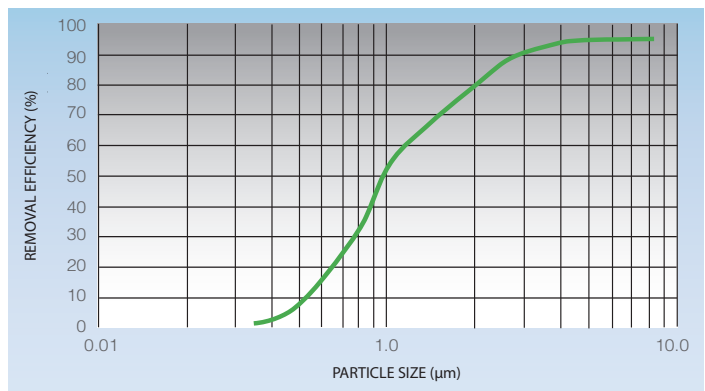
## PERFORMANCE DATA (24 x 24)

| FILTER DEPTH | INITIAL RESISTANCE ("w.g.) |         | FINAL RESISTANCE ("w.g.) | MERV @ 500 fpm |
|--------------|----------------------------|---------|--------------------------|----------------|
|              | 300 fpm                    | 500 fpm |                          |                |
| 1"           | 0.51                       | N/A     | 1.0                      | 10             |
| 2"           | 0.28                       | 0.58    | 1.0                      | 10             |
| 4"           | 0.23                       | 0.51    | 1.0                      | 10             |

## INITIAL RESISTANCE (24 x 24)



## MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



## PRODUCT DATA

| PART NUMBER | NOMINAL SIZE* (H" x W" x D") | ACTUAL SIZE (H" x W" x D") | CFM CAPABILITIES |         |
|-------------|------------------------------|----------------------------|------------------|---------|
|             |                              |                            | 300 fpm          | 375 fpm |
| 173111      | 10 x 10 x 1                  | 9 1/2 x 9 1/2 x 3/4        | 200              | 250     |
| 173121      | 10 x 20 x 1                  | 9 1/2 x 19 1/2 x 3/4       | 400              | 525     |
| 173211      | 12 x 12 x 1                  | 11 3/4 x 11 3/4 x 3/4      | 300              | 375     |
| 173201      | 12 x 20 x 1                  | 11 1/2 x 19 1/2 x 3/4      | 500              | 625     |
| 173241      | 12 x 24 x 1                  | 11 1/2 x 23 1/2 x 3/4      | 600              | 750     |
| 173401      | 14 x 20 x 1                  | 13 1/2 x 19 1/2 x 3/4      | 575              | 725     |
| 173421      | 14 x 24 x 1                  | 13 1/2 x 23 1/2 x 3/4      | 700              | 875     |
| 173451      | 14 x 25 x 1                  | 13 1/2 x 24 1/2 x 3/4      | 725              | 900     |
| 173501      | 15 x 20 x 1                  | 14 1/2 x 19 1/2 x 3/4      | 625              | 775     |
| 173661      | 16 x 16 x 1                  | 15 3/4 x 15 3/4 x 3/4      | 525              | 650     |
| 173601      | 16 x 20 x 1                  | 15 1/2 x 19 1/2 x 3/4      | 650              | 825     |
| 173641      | 16 x 24 x 1                  | 15 1/2 x 23 1/2 x 3/4      | 800              | 1000    |
| 173651      | 16 x 25 x 1                  | 15 1/2 x 24 1/2 x 3/4      | 825              | 1025    |
| 173801      | 18 x 20 x 1                  | 17 1/2 x 19 1/2 x 3/4      | 750              | 925     |
| 173841      | 18 x 24 x 1                  | 17 1/2 x 23 1/2 x 3/4      | 900              | 1125    |
| 173851      | 18 x 25 x 1                  | 17 1/2 x 24 1/2 x 3/4      | 925              | 1175    |
| 173001      | 20 x 20 x 1                  | 19 1/2 x 19 1/2 x 3/4      | 825              | 1050    |
| 173041      | 20 x 24 x 1                  | 19 1/2 x 23 1/2 x 3/4      | 1000             | 1250    |
| 173051      | 20 x 25 x 1                  | 19 1/2 x 24 1/2 x 3/4      | 1050             | 1300    |
| 173221      | 22 x 22 x 1                  | 21 3/4 x 21 3/4 x 3/4      | 1000             | 1250    |
| 173441      | 24 x 24 x 1                  | 23 1/2 x 23 1/2 x 3/4      | 1200             | 1500    |

\* Contact Customer Care for additional sizes and information.

| PART NUMBER | NOMINAL SIZE* (H" x W" x D") | ACTUAL SIZE (H" x W" x D") | CFM CAPABILITIES |         |
|-------------|------------------------------|----------------------------|------------------|---------|
|             |                              |                            | 375 fpm          | 500 fpm |
| 173122      | 10 x 20 x 2                  | 9 3/4 x 19 1/2 x 1 3/4     | 525              | 700     |
| 173242      | 12 x 24 x 2                  | 11 3/8 x 23 3/8 x 1 3/4    | 750              | 1000    |
| 173402      | 14 x 20 x 2                  | 13 1/2 x 19 1/2 x 1 3/4    | 725              | 975     |
| 173452      | 14 x 25 x 2                  | 13 1/2 x 24 1/2 x 1 3/4    | 900              | 1200    |
| 173502      | 15 x 20 x 2                  | 14 1/2 x 19 1/2 x 1 3/4    | 775              | 1025    |
| 173602      | 16 x 20 x 2                  | 15 1/2 x 19 1/2 x 1 3/4    | 825              | 1100    |
| 173642      | 16 x 24 x 2                  | 15 3/8 x 23 3/8 x 1 3/4    | 1000             | 1325    |
| 173652      | 16 x 25 x 2                  | 15 1/2 x 24 1/2 x 1 3/4    | 1050             | 1400    |
| 173842      | 18 x 24 x 2                  | 17 3/8 x 23 3/8 x 1 3/4    | 1125             | 1500    |
| 173002      | 20 x 20 x 2                  | 19 1/2 x 19 1/2 x 1 3/4    | 1050             | 1400    |
| 173042      | 20 x 24 x 2                  | 19 3/8 x 23 3/8 x 1 3/4    | 1250             | 1650    |
| 173052      | 20 x 25 x 2                  | 19 1/2 x 24 1/2 x 1 3/4    | 1300             | 1750    |
| 173442      | 24 x 24 x 2                  | 23 3/8 x 23 3/8 x 1 3/4    | 1500             | 2000    |
| 173244      | 12 x 24 x 4                  | 11 3/8 x 23 3/8 x 3 3/4    | 1000             | 1250    |
| 173604      | 16 x 20 x 4                  | 15 1/2 x 19 1/2 x 3 3/4    | 1100             | 1400    |
| 173654      | 16 x 25 x 4                  | 15 1/2 x 24 1/2 x 3 3/4    | 1400             | 1750    |
| 173844      | 18 x 24 x 4                  | 17 3/8 x 23 3/8 x 3 3/4    | 1500             | 1875    |
| 173004      | 20 x 20 x 4                  | 19 1/2 x 19 1/2 x 3 3/4    | 1400             | 1750    |
| 173044      | 20 x 24 x 4                  | 19 3/8 x 23 3/8 x 3 3/4    | 1650             | 2100    |
| 173054      | 20 x 25 x 4                  | 19 1/2 x 24 1/2 x 3 3/4    | 1750             | 2200    |
| 173444      | 24 x 24 x 4                  | 23 3/8 x 23 3/8 x 3 3/4    | 2000             | 2500    |

## ENGINEERING SPECIFICATIONS

### 1.0 General

- Filters shall be Aerostar® Purafilter® Series 750 Plus Carbon Pleat filters as manufactured by Filtration Group.
- Filters shall be available in nominal depths of 1", 2" and 4".

### 2.0 Filter Materials of Construction

- Media shall be carbon loaded non-woven media consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain chemically impregnated coconut shell activated carbon loaded at >300 grams per square meter.
- 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.
- Media shall include an additional particle filtration/dust holding material as an integral layer.

- 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

- Filters shall be available in a MERV 10 configuration when tested in accordance with ASHRAE 52.2 Test Standard.
- Filter shall demonstrate effectiveness against toluene, hydrogen sulfide and formaldehyde when tested as recommended in ASHRAE 145.2 Test Standard.
- For initial resistance of filters, see Performance Data chart above.
- Filters shall be rated to withstand a continuous operating temperature up to 150°F.