

Prime11

Standard & High Capacity Pleated Filters

OVERVIEW

The Prime11 is an extended surface, pleated air filter, created to provide high efficiency, high dust holding capacity and low pressure drop. The Prime11 is available in standard capacity as well as high capacity (Prime11HC). As an extended-surface air filter, the Prime11, performs at superior levels in comparison to standard pleated filters. The Prime11 is an economic choice for the efficiency and overall excellent performance it provides. The Prime11 has a MERV 11 rating per ASHRAE Test Standards 52.2. and is pending UL 900 Classification testing.

The Prime11 was created to provide higher initial efficiencies and better overall performance than standard pleated filters, making it the perfect upgrade from our Prime8 filters as well as other standard MERV 8 pleated filters.

CONSTRUCTION

The Prime11 has a durable, moisture-resistant, beverage board frame with wire-supported media. The Prime11's media is an electrostatic blend of synthetic fibers that is designed for use specifically in extended surface pleated filters. The standard capacity Prime11 was engineered as an efficient and economic option with outstanding overall performance. The Prime11HC comparable in construction to the Prime11 but offers more media which extends the life of the filter.

APPLICATION

The Prime11, standard capacity, should be used in applications where filter change-out is based on preventative maintenance. The Prime11HC pleated filters should be used in filtration systems where change-out is based on recommended final pressure drop.

Applications that would benefit from the Prime11 pleated air filter include commercial office buildings, pharmaceutical plants, hospitals and laboratories and other facilities where a higher degree of clean air is required.

ADDITIONAL PLEATED OPTIONS

- Prime8 - Standard & high capacity MERV 8 filters (see DS208)
- Prime13 - High efficiency MERV 13 filters (see DS213)

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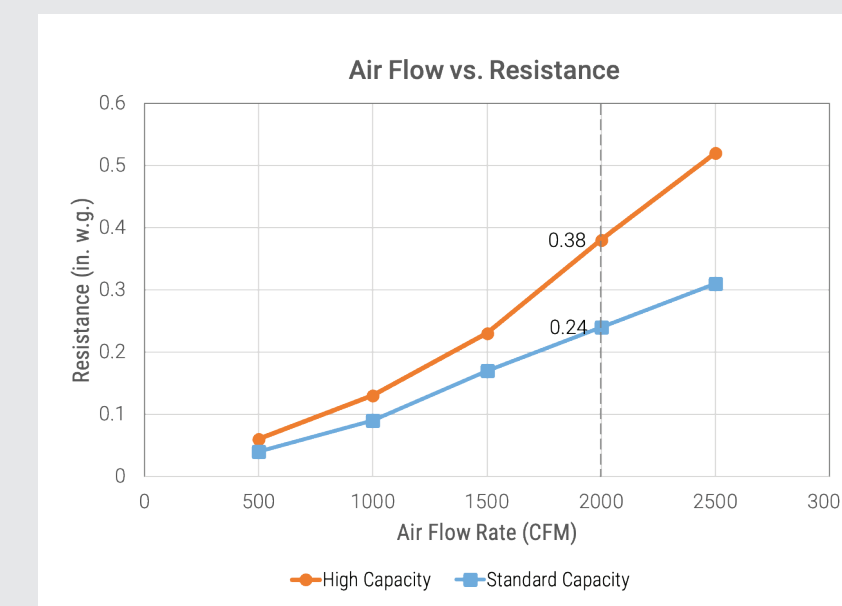
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PRODUCT SPOTLIGHT

- MERV 11 efficiency
- Extended surface
- High dust holding capacity
- Less pressure drop
- Wire-supported electrostatic media
- Moisture resistant beverage board frame
- Available in 1", 2" & 4"
- Max Operating Temp: 180°F

TECHNICAL DATA



*Based on 2" depth



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PERFORMANCE DATA

| Nominal Depth | Nominal Size (WxHxD) | Actual Size (in.) | | | Air Flow @ Capacity (CFM) | Resistance @ Capacity (in. w.g.) | | Total Media Area (sq. ft.) | | Number of Pleats Per Linear Foot | |
|---------------|----------------------|-------------------|--------|-------|---------------------------|----------------------------------|------|----------------------------|------|----------------------------------|------|
| | | Width | Height | Depth | | Standard | High | Standard | High | Standard | High |
| 1" | 10x10x1 | 9.50 | 9.50 | 0.75 | 347 | 0.35 | 0.52 | 1.1 | 1.2 | 13 | 15 |
| | 10x20x1 | 9.50 | 19.50 | | 700 | | | 2.2 | 2.5 | | |
| | 10x25x1 | 9.50 | 24.50 | | 868 | | | 2.7 | 3.2 | | |
| | 12x12x1 | 11.38 | 11.38 | | 500 | | | 1.6 | 1.8 | | |
| | 12x20x1 | 11.50 | 19.50 | | 833 | | | 2.7 | 3.1 | | |
| | 12x24x1 | 11.50 | 23.50 | | 1000 | | | 3.2 | 3.7 | | |
| | 12x25x1 | 11.75 | 24.75 | | 1041 | | | 3.4 | 4.0 | | |
| | 14x20x1 | 13.50 | 19.50 | | 975 | | | 3.1 | 3.6 | | |
| | 14x25x1 | 13.50 | 24.50 | | 1220 | | | 3.9 | 4.5 | | |
| | 15x20x1 | 14.50 | 19.50 | | 1040 | | | 3.4 | 3.9 | | |
| | 15x25x1 | 14.50 | 24.50 | | 1302 | | | 4.2 | 4.9 | | |
| | 16x16x1 | 15.75 | 15.75 | | 888 | | | 3.0 | 3.4 | | |
| | 16x20x1 | 15.50 | 19.50 | | 1110 | | | 3.6 | 4.2 | | |
| | 16x24x1 | 15.50 | 23.50 | | 1333 | | | 4.3 | 5.0 | | |
| | 16x25x1 | 15.50 | 24.50 | | 1390 | | | 4.5 | 5.2 | | |
| | 18x18x1 | 17.75 | 17.75 | | 1125 | | | 3.8 | 4.3 | | |
| | 18x20x1 | 17.50 | 19.50 | | 1250 | | | 4.1 | 4.7 | | |
| | 18x24x1 | 17.50 | 23.50 | | 1500 | | | 4.9 | 5.7 | | |
| | 18x25x1 | 17.50 | 24.50 | | 1565 | | | 5.1 | 5.9 | | |
| | 20x20x1 | 19.50 | 19.50 | | 1390 | | | 4.5 | 5.2 | | |
| 20x24x1 | 19.50 | 23.50 | 1670 | 5.5 | 6.3 | | | | | | |
| 20x25x1 | 19.50 | 24.50 | 1740 | 5.7 | 6.6 | | | | | | |
| 22x22x1 | 21.75 | 21.75 | 1680 | 5.6 | 6.5 | | | | | | |
| 24x24x1 | 23.50 | 23.50 | 2000 | 6.6 | 7.6 | | | | | | |
| 2" | 10x20x2 | 9.50 | 19.50 | 1.75 | 700 | 0.24 | 0.38 | 4.0 | 6.0 | 10 | 15 |
| | 12x24x2 | 11.38 | 23.38 | | 1000 | | | 5.8 | 8.7 | | |
| | 14x20x2 | 13.50 | 19.50 | | 975 | | | 5.6 | 8.5 | | |
| | 14x25x2 | 13.50 | 24.50 | | 1220 | | | 7.1 | 10.7 | | |
| | 15x20x2 | 14.50 | 19.50 | | 1040 | | | 6.1 | 9.1 | | |
| | 16x20x2 | 15.50 | 19.50 | | 1110 | | | 6.5 | 9.8 | | |
| | 16x25x2 | 15.50 | 24.50 | | 1390 | | | 8.1 | 12.2 | | |
| | 18x18x2 | 17.75 | 17.75 | | 1125 | | | 6.8 | 10.2 | | |
| | 18x20x2 | 17.50 | 19.50 | | 1250 | | | 7.3 | 11.0 | | |
| | 18x24x2 | 17.38 | 23.38 | | 1500 | | | 8.8 | 13.3 | | |
| | 18x25x2 | 17.50 | 24.50 | | 1565 | | | 9.2 | 13.8 | | |
| | 20x20x2 | 19.50 | 19.50 | | 1390 | | | 8.2 | 12.3 | | |
| | 20x24x2 | 19.38 | 23.38 | | 1670 | | | 9.8 | 14.8 | | |
| | 20x25x2 | 19.50 | 24.50 | | 1740 | | | 10.3 | 15.4 | | |
| | 24x24x2 | 23.38 | 23.38 | | 2000 | | | 11.9 | 17.8 | | |
| 4" | 12x24x4 | 11.38 | 23.38 | 3.75 | 1000 | 0.12 | 0.21 | 11.2 | 15.0 | 9 | 12 |
| | 16x20x4 | 15.50 | 19.50 | | 1110 | | | 12.6 | 16.8 | | |
| | 16x25x4 | 15.50 | 24.50 | | 1390 | | | 15.8 | 21.0 | | |
| | 18x24x4 | 17.38 | 23.38 | | 1500 | | | 17.1 | 22.8 | | |
| | 20x20x4 | 19.50 | 19.50 | | 1390 | | | 15.8 | 21.1 | | |
| | 20x24x4 | 19.38 | 23.38 | | 1670 | | | 19.0 | 25.4 | | |
| | 20x25x4 | 19.50 | 24.50 | | 1740 | | | 19.8 | 26.5 | | |
| | 24x24x4 | 23.38 | 23.38 | | 2000 | | | 23.0 | 30.6 | | |

Notes:

- 1", 2" & 4" deep filters are rated at 500 fpm.
- More sizes are available. Please consult Pamlico Portal or contact customer service at customerservice@pamlico-air.com.
- Performance data is based on ASHRAE Test Standards 52.2 – 2017.



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