



## PAF 11™

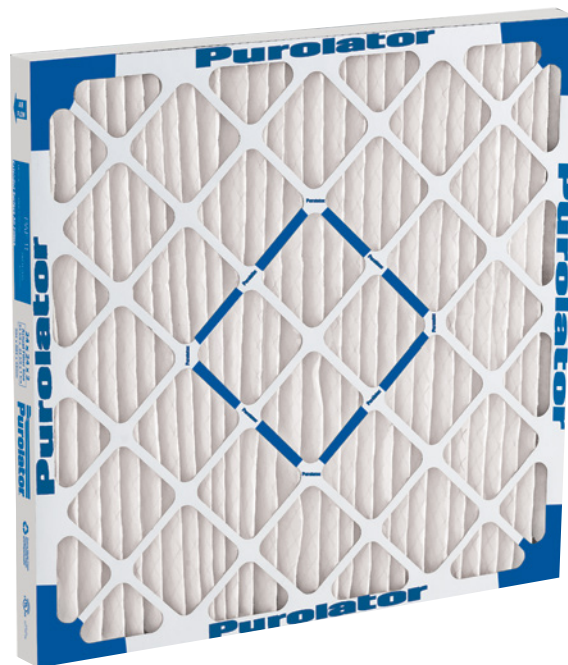
Medium Efficiency, Synthetic Pleated Filters

### Introduction

- Purolator's PAF 11 filters are medium-efficiency, extended surface, pleated air filters.
- Specifically manufactured for system applications requiring improved medium-efficiency, non-shedding filtration media.
- Outperforms similar products with respect to initial efficiency, and average efficiency providing optimum filter service life.
- Effective in single filter applications or as improved pre-filter substitutes for disposables, permanent metal filters or media pad/frame filters.
- Industry applications: Pre-filtration for hospitals, general health care facilities, food processing plants, telecommunications, pharmaceutical and semi-conductor manufacturing, etc.

### Media and Support

- Synthetic media made up of continuous hydrophobic fibers which do not absorb moisture and can withstand turbulent, high velocity conditions.
- Fibers are needled to eliminate the need for chemical binders that could promote microbial growth or generate VOCs.
- Improved overall particle size efficiency due to continuous fiber structure and dual-stage electrostatic enhancement which captures an increased amount of smaller particulate than conventional glass media.
- Media support: Continuously bonded to a corrosion resistant, expanded metal grid allowing a 96% open face area.
- Pleat configuration: Formed into aerodynamic, semi-tapered, wedge-shaped pleats expanding its capability to capture contaminants.



### Construction Features

- Frame: Enclosed in a two-piece, high wet-strength beverage board frame.
- Assembly: A fully bonded double-wall frame combines with the integral corner flaps and forms a rugged, durable filter which will not rack, warp or leak under normal operating conditions.
- To ensure no dirty air bypass, the media pack is securely bonded to the periphery of the frame with solvent-free, water-based glue.
- UL Classification: Classified per UL Standard 900 for flammability.
- In 4" models, accurate pleat alignment is maintained by die-cut pleat spacers on the upstream side.
- Maximum operating temperature:  $\leq 200^{\circ}\text{F}$ .



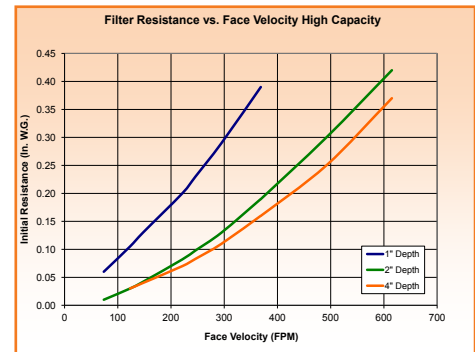
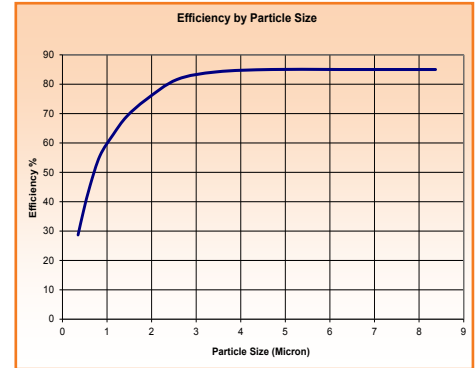
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# PAF 11™

## Medium Efficiency, Synthetic Pleated Filters

| Depth                    | Nominal Size             | Actual Size             | Air Flow Capacity (CFM) |         |         | Initial Resistance (In. W.G.) |         |         | Gross Media Area (Sq. Ft.) |
|--------------------------|--------------------------|-------------------------|-------------------------|---------|---------|-------------------------------|---------|---------|----------------------------|
|                          |                          |                         | 300 FPM                 | 500 FPM | 625 FPM | 300 FPM                       | 500 FPM | 625 FPM |                            |
| 1"<br>14 Pleats Per Foot | 10 x 20 x 1              | 9 1/2 x 19 1/2 x 3/4    | 425                     | 700     | N/R     | 0.29                          | 0.60    | N/R     | 2.6                        |
|                          | 12 x 20 x 1              | 11 1/2 x 19 1/2 x 3/4   | 500                     | 840     | N/R     | 0.29                          | 0.60    | N/R     | 3.1                        |
|                          | 12 x 24 x 1              | 11 3/8 x 23 3/8 x 3/4   | 600                     | 1000    | N/R     | 0.29                          | 0.60    | N/R     | 3.7                        |
|                          | 14 x 20 x 1              | 13 1/2 x 19 1/2 x 3/4   | 590                     | 980     | N/R     | 0.29                          | 0.60    | N/R     | 3.8                        |
|                          | 14 x 25 x 1              | 13 1/2 x 24 1/2 x 3/4   | 730                     | 1220    | N/R     | 0.29                          | 0.60    | N/R     | 4.8                        |
|                          | 15 x 20 x 1              | 14 1/2 x 19 1/2 x 3/4   | 630                     | 1050    | N/R     | 0.29                          | 0.60    | N/R     | 4.0                        |
|                          | 16 x 20 x 1              | 15 1/2 x 19 1/2 x 3/4   | 670                     | 1200    | N/R     | 0.29                          | 0.60    | N/R     | 4.3                        |
|                          | 16 x 25 x 1              | 15 1/2 x 24 1/2 x 3/4   | 840                     | 1400    | N/R     | 0.29                          | 0.60    | N/R     | 5.4                        |
|                          | 18 x 24 x 1              | 17 3/8 x 23 3/8 x 3/4   | 900                     | 1500    | N/R     | 0.29                          | 0.60    | N/R     | 5.7                        |
|                          | 20 x 20 x 1              | 19 1/2 x 19 1/2 x 3/4   | 840                     | 1400    | N/R     | 0.29                          | 0.60    | N/R     | 5.5                        |
|                          | 20 x 25 x 1              | 19 1/2 x 24 1/2 x 3/4   | 1050                    | 1750    | N/R     | 0.29                          | 0.60    | N/R     | 6.9                        |
|                          | 24 x 24 x 1              | 23 3/8 x 23 3/8 x 3/4   | 1200                    | 2000    | N/R     | 0.29                          | 0.60    | N/R     | 7.7                        |
|                          | 25 x 25 x 1              | 24 1/2 x 24 1/2 x 3/4   | 1310                    | 2170    | N/R     | 0.29                          | 0.60    | N/R     | 8.7                        |
| 2"<br>15 Pleats Per Foot | 10 x 20 x 2              | 9 1/2 x 19 1/2 x 1 3/4  | 425                     | 700     | 870     | 0.14                          | 0.30    | 0.42    | 6.2                        |
|                          | 12 x 20 x 2              | 11 1/2 x 19 1/2 x 1 3/4 | 500                     | 840     | 1040    | 0.14                          | 0.30    | 0.42    | 7.2                        |
|                          | 12 x 24 x 2              | 11 3/8 x 23 3/8 x 1 3/4 | 600                     | 1000    | 1250    | 0.14                          | 0.30    | 0.42    | 8.6                        |
|                          | 14 x 20 x 2              | 13 1/2 x 19 1/2 x 1 3/4 | 590                     | 980     | 1220    | 0.14                          | 0.30    | 0.42    | 8.8                        |
|                          | 14 x 25 x 2              | 13 1/2 x 24 1/2 x 1 3/4 | 730                     | 1220    | 1520    | 0.14                          | 0.30    | 0.42    | 11.0                       |
|                          | 15 x 20 x 2              | 14 1/2 x 19 1/2 x 1 3/4 | 630                     | 1050    | 1300    | 0.14                          | 0.30    | 0.42    | 9.3                        |
|                          | 16 x 20 x 2              | 15 1/2 x 19 1/2 x 1 3/4 | 670                     | 1200    | 1400    | 0.14                          | 0.30    | 0.42    | 9.8                        |
|                          | 16 x 24 x 2              | 15 3/8 x 23 3/8 x 1 3/4 | 800                     | 1340    | 1670    | 0.14                          | 0.30    | 0.42    | 11.7                       |
|                          | 16 x 25 x 2              | 15 1/2 x 24 1/2 x 1 3/4 | 840                     | 1400    | 1740    | 0.14                          | 0.30    | 0.42    | 12.3                       |
|                          | 18 x 20 x 2              | 17 1/2 x 19 1/2 x 1 3/4 | 750                     | 1250    | 1560    | 0.14                          | 0.30    | 0.42    | 11.3                       |
|                          | 18 x 24 x 2              | 17 3/8 x 23 3/8 x 1 3/4 | 900                     | 1500    | 1880    | 0.14                          | 0.30    | 0.42    | 13.6                       |
|                          | 18 x 25 x 2              | 17 1/2 x 24 1/2 x 1 3/4 | 940                     | 1570    | 1950    | 0.14                          | 0.30    | 0.42    | 14.2                       |
|                          | 20 x 20 x 2              | 19 1/2 x 19 1/2 x 1 3/4 | 840                     | 1400    | 1740    | 0.14                          | 0.30    | 0.42    | 12.4                       |
|                          | 20 x 24 x 2              | 19 3/8 x 23 3/8 x 1 3/4 | 1000                    | 1670    | 2080    | 0.14                          | 0.30    | 0.42    | 14.8                       |
|                          | 20 x 25 x 2              | 19 1/2 x 24 1/2 x 1 3/4 | 1050                    | 1750    | 2170    | 0.14                          | 0.30    | 0.42    | 15.1                       |
| 20 x 30 x 2*             | 19 1/2 x 29 1/2 x 1 3/4* | 1250                    | 2080                    | 2600    | 0.14    | 0.30                          | 0.42    | 18.6    |                            |
| 24 x 24 x 2              | 23 3/8 x 23 3/8 x 1 3/4  | 1200                    | 2000                    | 2500    | 0.14    | 0.30                          | 0.42    | 17.9    |                            |
| 25 x 25 x 2              | 24 1/2 x 24 1/2 x 1 3/4  | 1310                    | 2170                    | 2710    | 0.14    | 0.30                          | 0.42    | 20.0    |                            |
| 4"<br>11 Pleats Per Foot | 12 x 24 x 4              | 11 3/8 x 23 3/8 x 3 3/4 | 600                     | 1000    | 1250    | 0.12                          | 0.25    | 0.37    | 12.4                       |
|                          | 16 x 20 x 4              | 15 1/2 x 19 1/2 x 3 3/4 | 670                     | 1200    | 1400    | 0.12                          | 0.25    | 0.37    | 14.5                       |
|                          | 16 x 25 x 4              | 15 1/2 x 24 1/2 x 3 3/4 | 840                     | 1400    | 1740    | 0.12                          | 0.25    | 0.37    | 18.3                       |
|                          | 18 x 25 x 4              | 17 1/2 x 24 1/2 x 3 3/4 | 940                     | 1500    | 1950    | 0.12                          | 0.25    | 0.37    | 19.9                       |
|                          | 20 x 20 x 4              | 19 1/2 x 19 1/2 x 3 3/4 | 840                     | 1400    | 1740    | 0.12                          | 0.25    | 0.37    | 18.7                       |
|                          | 20 x 24 x 4              | 19 3/8 x 23 3/8 x 3 3/4 | 1000                    | 1670    | 2080    | 0.12                          | 0.25    | 0.37    | 22.4                       |
|                          | 20 x 25 x 4              | 19 1/2 x 24 1/2 x 3 3/4 | 1050                    | 1750    | 2170    | 0.12                          | 0.25    | 0.37    | 23.5                       |
|                          | 24 x 24 x 4              | 23 3/8 x 23 3/8 x 3 3/4 | 1200                    | 2000    | 2500    | 0.12                          | 0.25    | 0.37    | 27.4                       |
|                          | 25 x 29 x 4              | 24 1/2 x 28 1/2 x 3 3/4 | 1510                    | 2500    | 3130    | 0.12                          | 0.25    | 0.37    | 36.5                       |

\* Reverse Pleat Direction



- Performance data is based on the ASHRAE 52.2-2012 Test Methods, Test velocity 295 FPM for 24x24x1 and 492 FPM for 24x24x2 and a 24x24x4 nominal size filters.
- Recommended final resistance is 1.0" W.G.
- Continuous Operating Temperature Limit: 200° F (93° C)
- PAF 11 filters are classified per UL Standard 900 for flammability.



**WARNING:** This product can expose you to chemicals, including acetaldehyde, antimony oxide, which are known to the State of California to cause cancer, and lead, methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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