

# Prime13 XT

## High Capacity

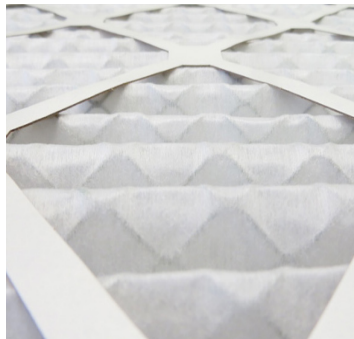
## Extra Tough Pleated Air Filters

### FEATURES

- MERV 13 efficiency
- Low pressure drop
- High dust holding capacity
- Extended surface
- Heavy duty wire support
- Heavy duty moisture resistant frame
- Available in 1, 2, & 4" depths
- Max operating temp: 180°F



Prime13 XT is up for the demands of the toughest applications



The unique design of the Prime13 XT delivers maximum performance at a low energy consumption

### PRIME13 XT CONSTRUCTION & APPLICATIONS

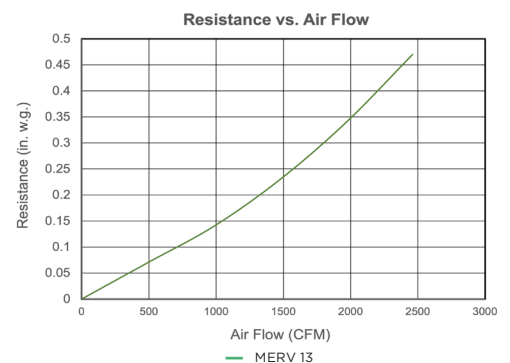
The Prime13 XT filter is built for the most demanding industrial applications, featuring a durable die-cut frame and heavy-duty wire backing that ensure exceptional strength and reliability. Available in high capacity, the filter comes in 1", 2", and 4" depths to meet a wide range of filtration needs.

Testing demonstrates that the Prime13 XT offers a long service life and high dust-holding capacity (DHC), thanks to its specially engineered fibers that maximize surface area for superior particulate capture compared to traditional filter media.

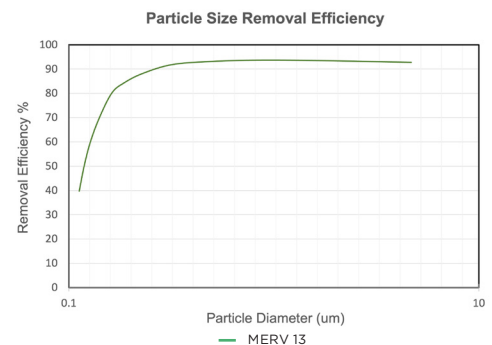
The heavy-duty galvanized steel backing not only enhances rigidity but also supports the filter media, making the Prime13 XT 40% stronger than standard pleated filters. It can withstand pressure drops of up to 7 in. w.g. with minimal deflection, ensuring optimal efficiency and low resistance (0.34 in. w.g. at 2,000 CFM). Rated MERV 13, the Prime13 XT provides exceptional dust-holding capacity and extended service life, making it an ideal solution for high-performance industrial environments.

### TECHNICAL DATA

#### PRIME13 XT



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PRIME13 XT  
PERFORMANCE DATA

| Nominal Depth | Nominal Size (in.) (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 |                           |                                  |                            |                                  |
| 1"            | 10x20x1                    | 9.50              | 19.50  | 0.75  | 417                       | 0.29                             | 2.5                        | 15                               |
|               | 12x20x1                    | 11.50             | 19.50  |       | 500                       |                                  | 3.1                        |                                  |
|               | 12x24x1                    | 11.50             | 23.50  |       | 600                       |                                  | 3.7                        |                                  |
|               | 14x25x1                    | 13.50             | 24.50  |       | 729                       |                                  | 4.5                        |                                  |
|               | 15x20x1                    | 14.50             | 19.50  |       | 625                       |                                  | 3.9                        |                                  |
|               | 15x25x1                    | 14.50             | 24.50  |       | 781                       |                                  | 4.9                        |                                  |
|               | 16x20x1                    | 15.50             | 19.50  |       | 667                       |                                  | 4.2                        |                                  |
|               | 16x24x1                    | 15.50             | 23.50  |       | 800                       |                                  | 5.0                        |                                  |
|               | 16x25x1                    | 15.50             | 24.50  |       | 833                       |                                  | 5.2                        |                                  |
|               | 18x20x1                    | 17.50             | 19.50  |       | 750                       |                                  | 4.7                        |                                  |
|               | 18x24x1                    | 17.50             | 23.50  |       | 900                       |                                  | 5.7                        |                                  |
|               | 18x25x1                    | 17.50             | 24.50  |       | 938                       |                                  | 5.9                        |                                  |
|               | 20x20x1                    | 19.50             | 19.50  |       | 833                       |                                  | 5.2                        |                                  |
|               | 20x23x1                    | 19.50             | 22.50  |       | 958                       |                                  | 6.1                        |                                  |
|               | 20x24x1                    | 19.50             | 23.50  |       | 1000                      |                                  | 6.3                        |                                  |
|               | 20x25x1                    | 19.50             | 24.50  |       | 1042                      |                                  | 6.6                        |                                  |
|               | 20x30x1                    | 19.75             | 29.75  |       | 1250                      |                                  | 8.0                        |                                  |
|               | 24x24x1                    | 23.50             | 23.50  |       | 1200                      |                                  | 7.6                        |                                  |
|               | 24x30x1                    | 23.875            | 29.875 |       | 1500                      |                                  | 9.6                        |                                  |
|               | 24x36x1                    | 23.75             | 35.75  |       | 1800                      |                                  | 11.6                       |                                  |
| 2"            | 25x25x1                    | 24.50             | 24.50  | 1.75  | 1302                      | 0.34                             | 8.3                        | 15                               |
|               | 10x20x2                    | 9.50              | 19.50  |       | 700                       |                                  | 6.0                        |                                  |
|               | 12x20x2                    | 11.50             | 19.50  |       | 833                       |                                  | 10.7                       |                                  |
|               | 12x24x2*                   | 11.38             | 23.38  |       | 1000                      |                                  | 8.7                        |                                  |
|               | 14x20x2                    | 13.50             | 19.50  |       | 975                       |                                  | 8.5                        |                                  |
|               | 14x25x2                    | 13.50             | 24.50  |       | 1220                      |                                  | 10.7                       |                                  |
|               | 15x20x2                    | 14.50             | 19.50  |       | 1040                      |                                  | 9.1                        |                                  |
|               | 16x20x2*                   | 15.50             | 19.50  |       | 1110                      |                                  | 9.8                        |                                  |
|               | 16x24x2*                   | 15.38             | 23.38  |       | 1333                      |                                  | 11.8                       |                                  |
|               | 16x25x2*                   | 15.50             | 24.50  |       | 1390                      |                                  | 12.2                       |                                  |
|               | 18x20x2                    | 17.50             | 19.50  |       | 1250                      |                                  | 11.0                       |                                  |
|               | 18x24x2*                   | 17.38             | 23.38  |       | 1500                      |                                  | 13.3                       |                                  |
|               | 18x25x2                    | 17.50             | 24.50  |       | 1565                      |                                  | 13.8                       |                                  |
|               | 20x20x2*                   | 19.50             | 19.50  |       | 1390                      |                                  | 12.3                       |                                  |
|               | 20x24x2*                   | 19.38             | 23.38  |       | 1670                      |                                  | 14.8                       |                                  |
|               | 20x25x2*                   | 19.50             | 24.50  |       | 1740                      |                                  | 15.4                       |                                  |
|               | 20x30x2                    | 19.75             | 29.75  |       | 2083                      |                                  | 12.5                       |                                  |
|               | 24x24x2*                   | 23.38             | 23.38  |       | 2000                      |                                  | 17.8                       |                                  |
|               | 24x30x2                    | 23.50             | 29.50  |       | 2500                      |                                  | 22.5                       |                                  |
|               | 25x25x2                    | 24.50             | 24.50  |       | 2170                      |                                  | 19.4                       |                                  |
| 4"            | 12x24x4*                   | 11.38             | 23.38  | 3.75  | 1000                      | 0.31                             | 11.2                       | 12                               |
|               | 16x20x4                    | 15.50             | 19.50  |       | 1110                      |                                  | 12.6                       |                                  |
|               | 16x24x4                    | 15.50             | 23.50  |       | 1333                      |                                  | 20.2                       |                                  |
|               | 16x25x4                    | 15.50             | 24.50  |       | 1390                      |                                  | 15.8                       |                                  |
|               | 18x24x4                    | 17.38             | 23.38  |       | 1500                      |                                  | 17.1                       |                                  |
|               | 20x20x4                    | 19.50             | 19.50  |       | 1390                      |                                  | 15.8                       |                                  |
|               | 20x24x4                    | 19.38             | 23.38  |       | 1670                      |                                  | 19.0                       |                                  |
|               | 20x25x4                    | 19.50             | 24.50  |       | 1740                      |                                  | 19.8                       |                                  |
|               | 24x24x4*                   | 23.38             | 23.38  |       | 2000                      |                                  | 23.0                       |                                  |
|               | 25x29x4                    | 24.50             | 28.50  |       | 2517                      |                                  | 38.8                       |                                  |

- Notes:
- \* These sizes utilize the new 28pt die-cut frame, currently all other sizes utilize the standard prime die-cut frame
  - Recommended final resistance = 1.50 in. w.g.
  - 1 in. depth is rated at 300 FPM
  - 2 & 4 in. depths are rated at 500 FPM
  - Performance data is based on ASHRAE Test Standards 52.2
  - Max operating temp: 180°F

MANN+HUMMEL is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

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