

# Defiant®

## High-Efficiency Extended Surface Synthetic Bag Filters

### MERV 14 and 15



### Synthetic High-Loft Media Maximizes Efficiency and Dust Holding Capacity

Parker's popular Defiant® bag filters have recently been enhanced to meet better today's challenges in process control and contaminant reduction. Their high-loft synthetic media resists moisture and is protected by a scrim backing to provide maximum dirt holding capacity with low resistance. Continuous hydrophobic fibers in the media are thermally bonded, eliminating the need for chemical containing binders that can promote microbial growth and generate VOCs. The 24" x 24" filters are available in different depths and efficiencies with MERV 15-rated models capturing 90%+ of particulate between 0.3 - 1.0 microns.

#### Markets:

- Automotive
- Food processing
- Microelectronics manufacturing
- Data centers
- Commercial office buildings
- Schools and universities
- Clean manufacturing facilities
- Hospitals and healthcare facilities
- Government institutions
- Industrial manufacturing

#### Contact Information:

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#### Product Features:

- Dual-stage electrostatic enhancement and continuous fiber structure capture smaller particulates than glass media
- Rigid media pockets allow for improved air flow and filter performance
- Reduced environmental impact compared to fiberglass media
- Continuous media-to-metal bonded construction
- Heavy-duty, corrosion-resistant, galvanized support frame
- Recommended operating temperature  $\leq 200^{\circ}\text{F}$



ENGINEERING YOUR SUCCESS.

# Defiant® Bag Filters Offer Outstanding Performance for Commercial and Industrial Applications

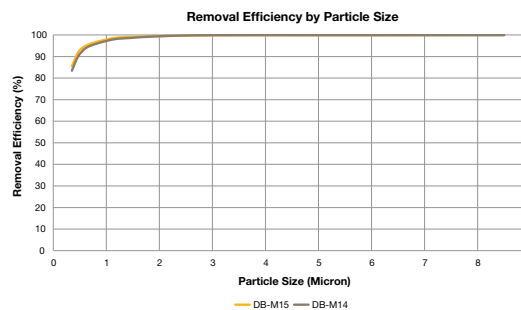
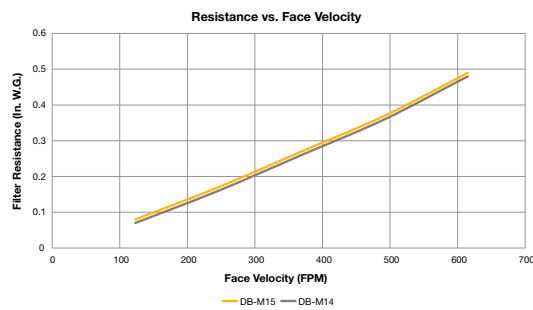
## Specifications

Parker Defiant filters are specifically manufactured for system applications requiring high efficiency, non-shedding media filtration. Their performance characteristics combine to provide optimum filter service life as well as lower energy and maintenance costs.

| Nominal Size (H x W x D) Inches | Actual Size (H x W x D) (Inches) | # of Pockets | Rated Air Velocity (FPM ) | Rated Air Flow (CFM) | DB-M15 MERV 15 | DB-M14 MERV 14 | Media Area (Square Feet) |
|---------------------------------|----------------------------------|--------------|---------------------------|----------------------|----------------|----------------|--------------------------|
| 24 x 24 x 26                    | 23-3/8 x 23-3/8 x 26             | 08           | 500                       | 2000                 | 0.37           | 0.36           | 76                       |
| 24 x 24 x 26                    | 23-3/8 x 23-3/8 x 26             | 06           | 500                       | 2000                 | 0.42           | 0.41           | 59                       |
| 24 x 24 x 22                    | 23-3/8 x 23-3/8 x 22             | 10           | 500                       | 2000                 | 0.36           | 0.35           | 79                       |
| 24 x 24 x 22                    | 23-3/8 x 23-3/8 x 22             | 08           | 500                       | 2000                 | 0.40           | 0.39           | 64                       |
| 24 x 24 x 22                    | 23-3/8 x 23-3/8 x 22             | 06           | 500                       | 2000                 | 0.42           | 0.41           | 50                       |
| 24 x 24 x 18                    | 23-3/8 x 23-3/8 x 18             | 08           | 500                       | 2000                 | 0.42           | 0.41           | 53                       |
| 24 x 24 x 18                    | 23-3/8 x 23-3/8 x 18             | 06           | 500                       | 2000                 | 0.44           | 0.43           | 41                       |
| 24 x 24 x 15                    | 23-3/8 x 23-3/8 x 15             | 08           | 500                       | 2000                 | 0.45           | 0.44           | 44                       |
| 24 x 24 x 15                    | 23-3/8 x 23-3/8 x 15             | 06           | 500                       | 2000                 | 0.50           | 0.49           | 34                       |
| 24 x 24 x 12                    | 23-3/8 x 23-3/8 x 12             | 08           | 500                       | 2000                 | 0.50           | 0.49           | 35                       |
| 24 x 12 x 26                    | 23-3/8 x 11-3/8 x 26             | 04           | 500                       | 1000                 | 0.37           | 0.36           | 38                       |
| 24 x 12 x 22                    | 23-3/8 x 11-3/8 x 22             | 04           | 500                       | 1000                 | 0.40           | 0.39           | 32                       |
| 24 x 12 x 18                    | 23-3/8 x 11-3/8 x 18             | 04           | 500                       | 1000                 | 0.42           | 0.41           | 26                       |
| 24 x 12 x 15                    | 23-3/8 x 11-3/8 x 15             | 04           | 500                       | 1000                 | 0.45           | 0.44           | 22                       |
| 20 x 20 x 22                    | 19-3/8 x 19-3/8 x 22             | 06           | 500                       | 1400                 | 0.42           | 0.41           | 37                       |
| 20 x 20 x 15                    | 19-3/8 x 19-3/8 x 22             | 06           | 500                       | 1400                 | 0.45           | 0.44           | 25                       |

**NOTES:**

1. Testing per ASHRAE Standard 52.2-2017. Performance based on 492 FPM face velocity for a 24x24x26, 8 pocket filter.
2. Recommended final resistance 1.50" W.G.
3. Width and height dimensions are not interchangeable. Bag filters must be installed with pockets running vertically.
4. Maximum operating temperature 200°F (93°C)
5. Classified per UL 900 for flammability
6. See *Defiant Bag Ordering Information* sheet for available sizes and options



Your Local Authorized Parker Distributor

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

