

# Parker MICROGUARD® LR Sub-HEPA

Low-Resistance 12" Final Stage Filter  
with E-Pleat Media Technology



## 98.5% efficiency on 0.3 Micron Particulate, providing Sub- HEPA Filtration in ASHRAE and HEPA Frame Systems

Parker's next-generation MICROGUARD LR filter uses our proprietary N-Fuse™ Technology that provides Sub-HEPA filtration performance. The filter incorporates three layers of hybrid synthetic gradient-density Fluoro-Plasma treated media, combined with our embossed E-Pleat technology to maintain filter geometry and spacing.

Parker MICROGUARD LR filters are ideal for air handler unit (AHU) applications. And, unlike traditional "separator-style" HEPA box filters, MICROGUARD LR filters require no significant capital expenditures to upgrade existing HVAC mechanical systems required to achieve high-levels of indoor air quality.



## Contact Information:

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## Product Features and Benefits:

- Thick, hybrid synthetic media offers high efficiency filtration with low pressure drop
- All-plastic, light-weight models reduce shipping costs
- Media pack is fully sealed around the perimeter into the frame, preventing leakage and air bypass
- Fully incinerable media pack reduces disposal requirements
- Longer filter life and fewer filter changeouts with high dust-holding capacity
- Standard 1/4" x 3/4" dove tail interlocking gasket installed on air-leaving side of box and vertical side of the header in single header frames
- Available in 24-gauge metal box construction for traditional HEPA frame and side-access system applications
- High-impact polystyrene (HIPS) frame, single-header, and box designs available for ASHRAE grade frame systems

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# Parker MICROGUARD® LR

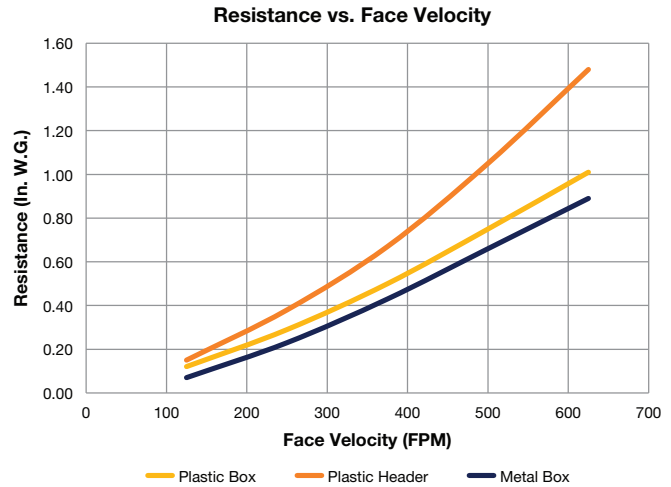
The smart choice for air cleanliness in metal machinery environments

Can be used in mist collection systems for turning, milling and grinding machinery processes using soluble oil and/or water-based cutting fluids.

Parker HVAC offers complete air filtration solutions that meet the tough demands of clean manufacturing facilities.

## Markets:

- Automotive
- Cleanroom facilities
- Pharmaceutical / biotechnology
- Hospitals and healthcare facilities
- Food and beverage processing
- Schools and universities
- Semiconductor fabrication
- Data centers
- Industrial manufacturing



## Specifications

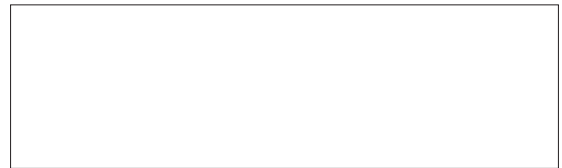
Construction Code	Actual Size (H x W x D) Inches	Rated Air Flow Capacity (CFM)	Initial Resistance (Inches W.G.) @ Rated Air Flow	Media Area (Square Feet)	Gasket Location
<b>24 Gauge Galvanized Steel Box - HEPA Applications</b>					
K2424B00-0EG00000E	24 x 24 x 11-1/2	2000	0.66"	122	Air Leaving Side
K2323B33-0EG00000E	23-3/8 x 23-3/8 x 11-1/2	2000	0.75"	116	Air Leaving Side
K2412B00-0EG00000E	24 x 12 x 11-1/2	1000	0.66"	61	Air Leaving Side
K2311B33-0EG00000E	23-3/8 x 11-3/8 x 11-1/2	1000	0.75"	56	Air Leaving Side
<b>Plastic Frame (HIPS) Single Header - Side Access HVAC Applications</b>					
K2323B33-0PA14000E	23-3/8 x 23-3/8 x 11-1/2	2000	1.05"	101	Side Access
K2319B33-0PA14000E	23-3/8 x 19-3/8 x 11-1/2	1650	1.05"	83	Side Access
K1919B33-0PA14000E	19-3/8 x 19-3/8 x 11-1/2	1400	1.05"	69	Side Access
K2311B33-0PA14000E	23-3/8 x 11-3/8 x 11-1/2	1000	1.05"	49	Side Access
<b>Plastic Frame (HIPS) Box - Front Load HVAC Applications</b>					
K2323B33-0P000000E	23-3/8 x 23-3/8 x 11-1/2	2000	0.75"	116	Air Leaving Side
K2319B33-0P000000E	23-3/8 x 19-3/8 x 11-1/2	1650	0.75"	95	Air Leaving Side
K1919B33-0P000000E	19-3/8 x 19-3/8 x 11-1/2	1400	0.75"	79	Air Leaving Side
K2311B33-0P000000E	23-3/8 x 11-3/8 x 11-1/2	1000	0.75"	56	Air Leaving Side

### NOTES:

- 98.5% on 0.3 micron particle size, PAO aerosol penetration test
- Rated face velocity 500 FPM.
- Recommended final resistance 1.50" W.G. for typical HVAC systems  
Twice initial resistance for HEPA applications
- Maximum operating temperature, plastic: 170°F (77°C)
- Maximum operating temperature, metal: 180°F (82°C)
- Classified per UL 900 for flammability only.



Patent # 6,685,833



Your Local Authorized Parker Distributor



**WARNING:** This product can expose you to chemicals, including chromium, styrene, which are known to the State of California to cause cancer, and lead, 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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