



MCB Series

CROSS VENTILATION CARTRIDGE DUST COLLECTOR



ENGINEERING YOUR SUCCESS.



Improve Worker Productivity and Safety

Our DustHog® MCB Series has been designed with your employees in mind. Helping your factory comply with OSHA regulations, it offers:

The most efficient fume removal

The MCB unit creates cross-draft ventilation that eliminates hazardous contaminants before recirculating clean air. Plus, the MCB prevents fine dust from migrating to areas with sensitive electrical and mechanical equipment—reducing facility maintenance.

Freedom of movement

Since there are no obstructions from source capture devices, workers can perform their jobs without the need for fume arms, hoods or other barriers that can interfere with manufacturing operations and part movement.

The lowest sound levels

Offering the industry's quietest environmental control booth, the MCB unit uses an enclosed pulse cleaning system that limits sound levels up to 50% less than competitive models.



Reduces Service Time and Cost

Our MCB units also greatly reduce air cleaning costs. Here's why:

Easy installation and inspection

Requiring no duct work, fewer assembly modules and less electrical hookups and motors, the MCB unit is simple to install. Plus, it requires no rear access—making inspection easy and optimizing floor space.

Fewer cartridge change outs

Using advanced computer modeling, our engineers have developed a superior cleaning system that extends cartridge filter life. The combination of ProTura Nanofiber technology and an advanced pulse cleaning system extends filter life.

Reduced utility costs

A superior louver door design ensures optimal airflow across your workstation—translating into reduced system losses and energy requirements.



MCB Series

The most efficient, quiet and cost-effective system for cleaner factory air.

When it comes to superior dust collection, there's no better choice than the DustHog® MCB Series Cross Ventilation Cartridge Dust Collector. Designed by the leading air quality experts at Parker Hannifin, this completely self-contained system provides high-filtration efficiency, freedom from source capture obstructions and easy maintenance. Plus, it offers versatile configurations — available as a single unit or in combination with a containment booth.

A Wide Range of Applications

Ideal for applications where source capture is impractical, MCB units remove fine airborne dust resulting from a variety of finishing operations. Because workers benefit from complete freedom of movement, excellent lighting and a clean breathing zone, they can easily perform any type of manufacturing process— from grinding, sanding and welding to abrasive blasting, batch mixing and powder coating.



...versatile configurations—available as a single unit or in combination with a containment booth.



One Cost-Effective Package Gives You All These Valuable Features:

High-Efficiency Dust Filtration

Prevents fine dust from migrating to areas with sensitive electrical and mechanical equipment—reducing facility maintenance.

Internal Pulse Cleaning System

Provides long filter life for a variety of applications.

High-Efficiency Filters

MERV 15 filter rating for optimal contaminant control.

Customized Booth Configurations

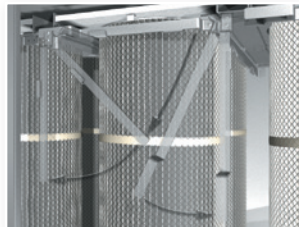
Available to meet specific requirements, as well as several options for enclosure and wall materials.

Modular Design

Allows for proper sizing for each specific user and customer application.

Cam-action Locking Device

Facilitates fast, simple and tool-free cartridge filter installation and replacement.



Backward-Inclined Airfoil Wheel & Low RPM Motor

Provides the quietest and most efficient operating system in the industry.

Powder Coated Finish

All components have electrostatically applied paint that prevents fading and chalking.

Enlarged Lower Doors

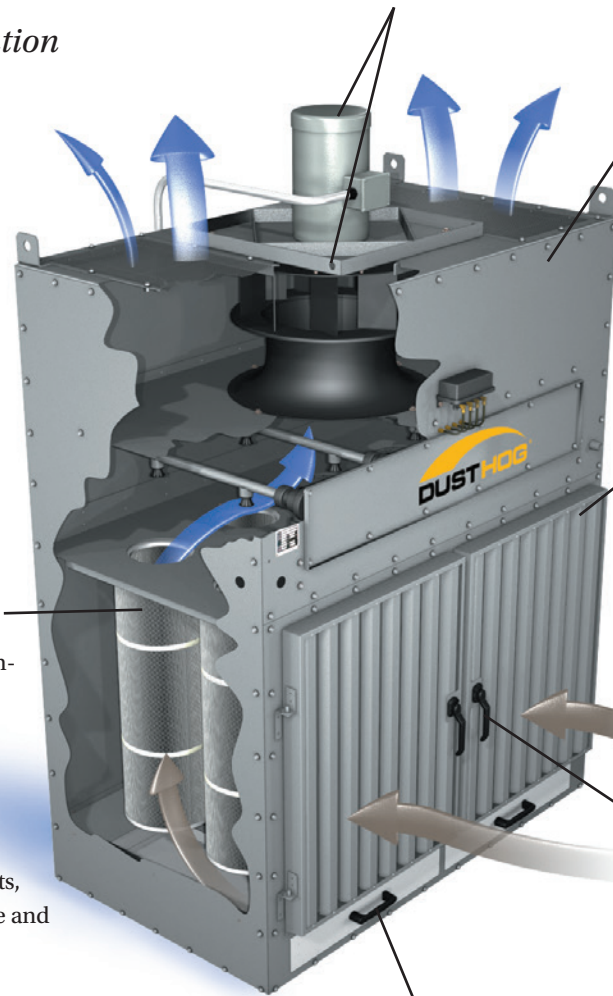
Vertical doors with increased height effectively sweep the operator's breathing zone of potentially harmful contaminants.

Single-Sided Service Access

Makes it easy to back units up against the wall—saving valuable floor space.

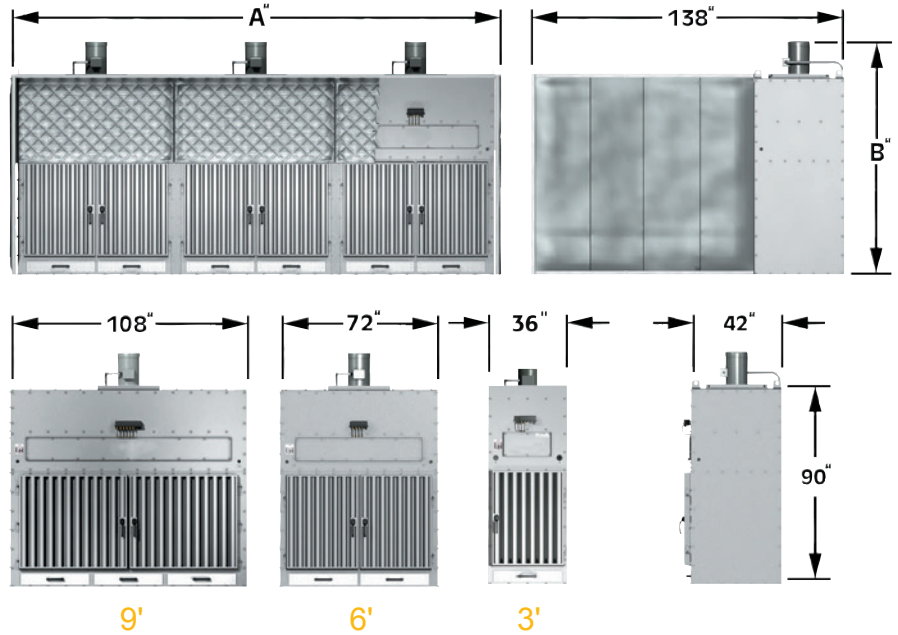
Aluminum Dust Drawers with Dual Handles

Offers large capacity dust storage area with sturdy, yet lightweight construction to allow for easy dust removal.



Size and Dimensions

Versatile configurations and multiple airflow options allow for optimum equipment sizing and selection. Additionally, custom booth sizes and configurations are available to meet unique applications.



Model	A (in)	B (in)	Clean Airflow (cfm)	Average Face Velocity (fpm)	No. of Cartridges	Filter Area (ft ²)
MCB-03	36	97.69	4,500	200	4	1,360
MCB-06-01-X	80	105.66	9,000	200	8	2,720
MCB-09-10-X	116	106.66	13,500	200	12	4,080
MCB-12-02-X	153	105.66	18,000	200	16	5,440
MCB-15-11-X	189	106.66	22,500	200	20	6,800
MCB-18-03-X	226	105.66	27,000	200	24	8,160
MCB-18-20-X	225	106.66	27,000	200	24	8,160
MCB-21-12-X	225	106.66	31,500	200	28	9,520
MCB-24-04-X	298	105.66	36,000	200	32	10,880
MCB-24-21-X	298	106.66	36,000	200	32	10,880
MCB-27-30-X	334	106.66	40,500	200	36	12,240

Options and Accessories

Booth Enclosures

- **Acoustical Metal** provides superior sound absorption and maximum durability.
- **Acoustical Fabric** offers lower cost sound containment alternative.
- **Vinyl Fabric** provides low-cost dust containment option.
- **Retractable Enclosures**

Additional Items

- Aluminum Fan Wheel
- Dust-Resistant Light Fixtures
- Sprinkler Couplings
- Photohelic[®] Gage
- Control Panel
- Motor Starters
- Safety Afterfilter
- Magnehelic[®] Gage
- Custom Paint Colors
- Dust Drawer Re-entrainment Baffle

Filters

- Protura[®] Nanofiber
- Protura Nanofiber Fire Retardant (FR)
- Spunbond Polyester
- Wide Pleat Spacing Construction
- Additional Media Selections



Parker Hannifin is committed to providing clean air solutions that protect your employees, improve plant performance and enable you to realize your operating goals.

Our commitment is backed by continuous investment in research, leading-edge technology and product development, our people whom are the most knowledgeable in the industry, and a product portfolio that is proven to deliver results. We have been solving problems for you, our customers across the globe for over 50 years.

Industrial Applications

- Abrasive Blasting
- Grinding
- Powder Coating
- Welding
- Batch Mixing
- Metal Working
- Sanding

Important - Understand and follow NFPA guidance in selecting equipment for your intended application, including required safety devices and testing your dust to determine combustion hazards. At your election, we can coordinate sample collection and testing.

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