Clean air. It’s what we do.™
When it comes to superior dust collection, there’s no better choice than the MCB Series Cross Ventilation Cartridge Dust Collector. Designed by the leading air quality experts at United Air Specialists, 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.
ONE COST-EFFECTIVE PACKAGE GIVES YOU ALL THESE VALUABLE FEATURES:

*Backward-Inclined Airfoil Wheel & Low RPM Motor*
Provides the quietest and most efficient operating system in the industry.

*High-Efficiency Dust Filtration*
Prevents fine dust from migrating to areas with sensitive electrical and mechanical equipment—reducing facility maintenance.

*Internal Pulse Cleaning System*
Ensures extremely quiet operation.

*High-Efficiency Filters*
Provide long filter life for a variety of applications.

*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.

*Powder Coated Finish*
All components have electrostatically applied paint that prevents fading and chalking.

*Enlarged Louver 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.
IMPROVES WORKER PRODUCTIVITY AND SAFETY

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

**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.

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

**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.

**Fewer cartridge change outs**
Using advanced computer modeling, our engineers have developed a superior cleaning system that extends cartridge filter life.

**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.

**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.

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

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<th>Model</th>
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<th>B (in)</th>
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OPTIONS AND ACCESSORIES

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

**Additional Items**
- Aluminum Fan Wheel
- Dust-Resistant Light Fixtures
- Sprinkler Heads
- Photohelic® Gage
- Control Panel
- Motor Starters
- Safety Afterfilter
- Magnehelic Gage
- Custom Paint Colors

**Filters**
1. Fire retardant (Supra-NetMax-FR)
2. Half-pleat (Supra-FibrousMax)
3. Half-pleat fire retardant (Supra-FibrousMax-FR)
WHY CHOOSE UNITED AIR SPECIALISTS?

A world-renowned reputation. For more than 35 years, we’ve been the industry leader in air quality technology — a proven track record that speaks for itself.

Commitment to quality products. Measuring our quality against documented expectations, we practice continuous improvement methods to anticipate challenges and implement successful solutions.

Unparalleled customer support. As a customer-driven solutions provider, we earn credibility and establish successful relationships by exceeding expectations for professional service and attitude.

Innovative technical leadership. Always, we keep technology at the forefront — ensuring continuous product advancements through ongoing investments in design and manufacturing.

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Clean air. It’s what we do.™