The Miller® Difference

With a deep understanding of the unique challenges and needs within a welding environment, Miller can help you reach or maintain compliance with mandated fume regulations - improving air quality, worker health and retention.

Through the application of science and engineering, our advanced technologies and custom systems are designed to fit your needs today, with the flexibility to adapt to tomorrow’s demands.

Our experienced team will guide you through every step of the process and customize an optimal system for your unique welding environment and specific challenges.

Miller Industrial Ventilation Specialists will guide you through the entire process:

1. Work Site Evaluation
2. System Engineering and Design
3. Comprehensive Project Management
4. Support, Training and Ongoing Partnership

Discover why Chandler Equipment selected Miller FILTAIR®

MillerWelds.com/Chandler_selection
Every component of FILTAIR® Centralized Systems works seamlessly together to deliver highly efficient systems that result in improved compliance, productivity and the bottom line.

- FILTAIR systems are custom engineered – no two are alike. They are designed and engineered specifically to address your unique fume challenges and to fit within your space, integrating with existing operational equipment on the plant floor
- Efficient, less expensive installation with completely packaged, fully assembled and pre-wired systems
- Conserve energy and costs with our state-of-the-art reverse pulse cleaning system, conserving compressed air usage and horsepower requirements of the system fan
- Ductwork can easily be reconfigured and re-utilized based on your production and equipment needs

Discover how Chandler Equipment has improved air quality and their bottom line with FILTAIR

MillerWelds.com/Chandler
Experience superior weld fume capture with patented technology that requires less airflow and continually moves air towards the extraction point.

- Each system can be customized to fit your unique requirements
- Modular design allows size and height to be easily changed based on production needs
- Versatile low-profile, lightweight hood can be hung, placed on an automation cell or be used with support posts
- Patented built-in spark abatement provides a cleaner and safer work space

Through the use of Computational Fluid Dynamics (CFD), our engineers are able to understand the flow of air and how it interacts with the many variables under our Low Profile modular hoods and within a robotic welding enclosure. This information is used with Industrial Ventilation guidelines to engineer a system optimized for your application.
FILTAIR® advanced weld fume management systems are designed for multi-cell applications – whether you have one or 100 training cells.

- Easy-to-operate extraction arms with external adjustments allow air to pass through with less airflow resistance, providing stronger CFM (airflow) and larger capture distances
- Wide range of motion for various angles and maximum performance
- Minimal maintenance is required, decreasing downtime and increasing class time

"My first impression was wow - 16 arms all extracting at once while the students are stick welding and I don’t smell any fumes," says Mike Krupnicki, executive director of RocAFC. “My second thought was how quiet the system was working. I could actually carry on a conversation in the lab.”

Discover how the Rochester Arc & Flame Center protects students with FILTAIR

MillerWelds.com/RocAFC
Improve Air Quality & Compliance

- Surface loading technology improves efficiency and captures up to 99% of weld fume particulate at .5 submicrons
- FilTek™ XL filters have a class-leading MERV rating of 15 based on ASHRAE 52.2-1999

Low Profile hoods
Available in a variety of sizes, for a modular design that is adaptable to changing needs

Modular, expandable ductwork
Clamp-together ducting easily integrates with existing ductwork and adapts to future facility needs – reducing the cost of ongoing plant changes

Learn more about Filtek XL Filters
MillerWelds.com/Filtek

Lower Operating Costs

- Longer filter life – lasts two times longer than other filters
- Surface loading filters = easy cleaning and lower energy consumption. Particulate easily pulses free of the filter’s surface, resulting in reduced pressured drop, which allows the system fan to deliver the required airflow while using less energy.
More FILTAIR accessories are available to build your system. See accessory brochure at MillerWelds.com/pdf/FILTAIRAcc.pdf

**Spark Cooler®**
Extend and protect the life of your filters and system
- Cool and suppress sparks before they reach the filter material
- Help prevent dust collector fires
- Minimal pressure drop, no maintenance, simple installation

**Extraction Arms**
Combined with our custom engineered systems, FILTAIR® extraction arms maintain stronger capture velocity that ensures adequate ventilation to pull fume from the breathing zone

**Sprinkler Inlet**
Protect your investment
- All FILTAIR Industrial Centralized Systems feature an optional sprinkler inlet ready for sprinkler head installation

**Miller FilTek filter technology**, allows one cartridge to replace up to three traditional filters – resulting in a smaller footprint
- FILTAIR systems can fit where others cannot
Miller Welding Safety & Health
For Health. For Safety. For Life.

Miller weld fume management solutions and PPE are designed specifically for the risks prevalent within industrial welding environments – with products and services that fulfill OSHA’s Hierarchy of Controls at all levels.

- Hobart Element™ low-manganese filler metals
  - Miller recommends

- Miller FILTAIR® weld fume extraction equipment
  - Mobile
  - Wall mounted
  - Centralized

- Workplace and operation-specific rules that enhance safety
- Measures that reduce employee exposure to hazards, such as welder training for ideal head and body positions and improved ergonomic workstations

- Respiratory protection
  - Powered Air Purifying Respirators (PAPRs)
  - Half mask respirators
  - Disposable respirators

Call 855-FILTAIR (345-8247) for a free consultation and start experiencing the benefits of a cleaner environment.