



**Miller**<sup>®</sup>

The Power of Blue<sup>®</sup>



# ZoneFlow<sup>™</sup> Fume Extraction Systems

Designed to increase arc-on time, boost  
productivity and improve compliance.

## The Capture Zone Redefined

Stay in your zone with exclusive ZoneFlow™ Technology. Experience the benefits of a weld fume capture zone that's up to five feet from the arc compared to traditional systems requiring the hood placed within 12-18 inches from the arc for effective capture.

### What does a capture zone that's three times larger mean to you?

- ✓ Operators can maintain an effective capture zone without having to constantly adjust the arm. They can focus on welding and stay comfortable without interruptions.
- ✓ With a capture zone that's three times larger than traditional systems, operators can significantly reduce interactions with the arm, increasing arc-on time – boosting productivity and efficiency.
- ✓ A 5-foot capture zone means operators don't need to constantly adjust the arm over their weld piece to maintain an effective capture zone, increasing user acceptance and fume capture. This makes it easier to maintain a clean environment, helping to achieve compliance.
- ✓ Your overall facility will stay cleaner, potentially reducing cleaning and maintenance costs.

? **Do you know** that on average, weld operators spend only 20 percent of their time welding? The rest of their time is spent doing other non-welding tasks<sup>1</sup>.



**Traditional System:** 12 to 18-inch capture

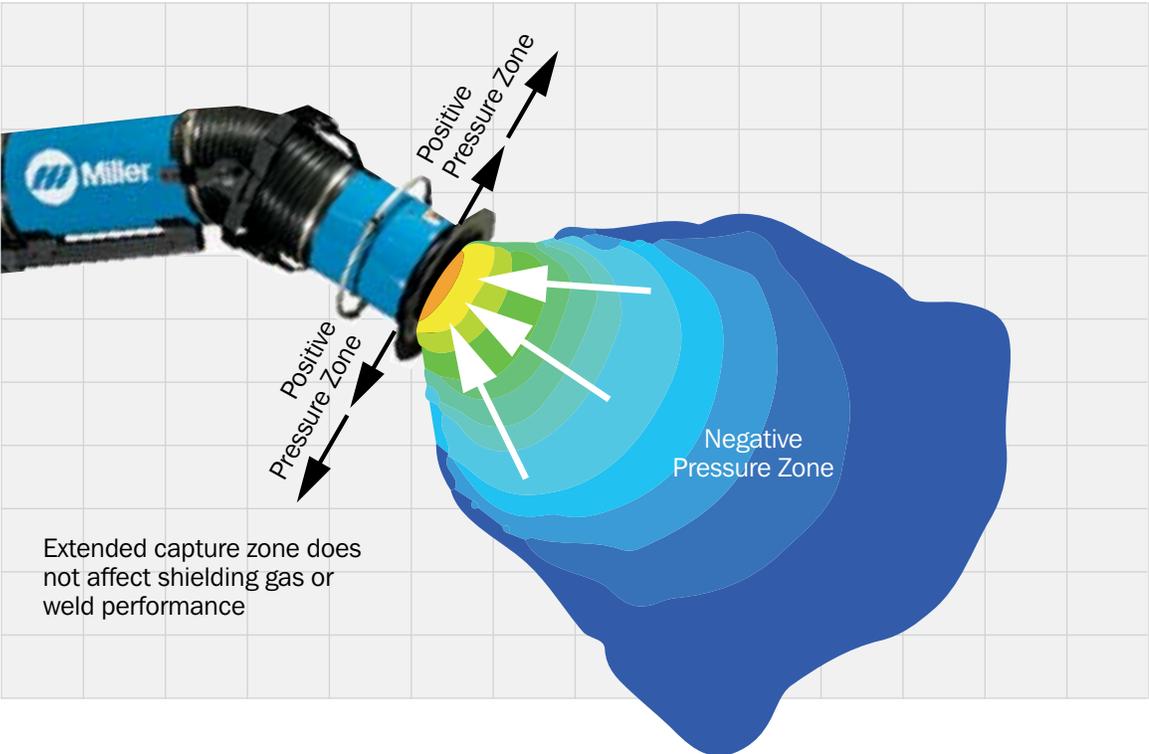
**ZoneFlow™ Technology:** up to 5-foot capture

▶ **Watch ZoneFlow™ in action:** [youtube.com/watch?v=0AexQ5r018M](https://www.youtube.com/watch?v=0AexQ5r018M)

**ZoneFlow Technology is available on:** FILTAIR® Capture 5, SWX and Centralized Fume Extraction Systems.

# How Does ZoneFlow™ Work?

ZoneFlow is a patented airflow technology that creates an extraction zone where the air on the inside of the zone has lower pressure than the air on the outside. The air pressure difference causes weld fume to get funneled to the center of the extraction arm, maximizing the weld fume capture distance.



# FILTAIR® Capture 5 Mobile Systems

Mobile floor systems are ideal for maintenance and repair operations, training centers, fabrication shops, and manufacturing facilities where mobility is important or overhead obstructions make them necessary.

**Accu-Rated™ Airflow:** 900 cfm

**Filter Media:** 452 sq ft

**Sound Level:** Approximately 77 dBA at 5 ft

**Net Weight:** 660 lbs (with 12-ft arm)

**Input Power:** 208/230 V, 1-phase, 60 Hz  
460 V, 3-phase, 60 Hz

### External Adjustments

Less airflow resistance inside the arm gives you a stronger cfm

### Metal Cabinet Design

Long-lasting durability even in the toughest environments

### Large Rear Wheels

Easy movement from one work area to another

### Tool-Free Adjustments

All adjustments can quickly be made by hand, increasing arc-on time

### Self-Cleaning Filter

Automatic pulse cleaning cycle cleans the filter from the inside out when machine is turned off, extending filter life

### Lockable Swivel Caster Wheels

System stays where you want it, even during arm movements



# FILTAIR® SWX Stationary Systems

Stationary systems are ideal for schools, training facilities, fabrication shops, and manufacturing facilities where floor space is limited and welding stations are fixed. Wall-mounted systems are available with dual arms to expand welding operations.

- Accu-Rated™ Airflow:** 875 cfm
- Filter Media:** 490 sq ft
- Sound Level:** Approximately 75 dBA at 5 ft
- Net Weight:** 130-195 lbs
- Blower Motor Input Power:** 115 V, 1-phase, 60 Hz at approximately 11.9 A
- ZoneFlow™ Input Power:** 115 V, 1-phase, 60 Hz at approximately 12 A

**Self-Cleaning Filter Model**  
Automatic pulse cleaning cycle cleans the filter from the inside out when machine is turned off, extending filter life

**Wall- or Column-Mount**  
Frees up floor space and eliminates cord hazards

**360-Degree Rotation**  
Unlimited hood positioning for optimum capture at any angle

**High-Performance Fan**  
1,200 cfm at the blower and minimum 875 Accu-Rated™ cfm at the hood for class-leading power



**Dual Fan Control**  
Both fans can be turned on for a 360-degree capture zone or one side can be turned off to position next to a wall or curtain for a 180-degree capture zone

## FILTAIR® Centralized Systems

Miller® Centralized systems are designed for multiple capture sources, making them ideal for automated welding cells, training facilities, fabrication shops, and manufacturing facilities. They are customized for your facility and can be mounted indoor or outdoor. Outdoor models are wind and seismic rated and include a remote-mounted control box with an optional weather hood.

**Nominal Airflow:** 2,000-10,500 cfm<sup>1</sup>

**Filter Media:** 588-1,764 sq ft<sup>1</sup>

**Sound Level:** Approximately 72-75 dBA<sup>1</sup> at 5 ft

**Net Weight:** 1,600-3,900 lbs<sup>1</sup>

**Input Power:** 230, 460 or 575 V, 3-phase, 60 Hz

### Steel Structure

Durable steel enclosure compliant with IBC1006 resists rust and abrasions

### 24 VDC Motor Start/Stop Feedback Relay

An external signal to automate the remote start of the collector fan from other equipment

### Integrated Electronic Controls

Control panel manages all collector functions, including the fan, filter differential, and the pulse cleaning system

### Smaller Footprint

Up to 65% smaller than traditional systems to free up floor space

### Quieter Operation

Up to 75% quieter with integrated silencer housing that minimizes fan and motor noise for a safer work environment

### Easy to Service

Convenient access to filter packs for tool-free removal and installation

### Self-Cleaning Filter

Automatic pulse cleaning cycle cleans the filter from the inside out when machine is turned off, extending filter life



# OSHA Hierarchy of Controls & Engineering Controls

Miller® is your single source solution to help you achieve weld fume compliance, with products that fulfill each tier of OSHA's Hierarchy of Controls.

When determining an action plan, start at the top and work your way down OSHA's Hierarchy of Controls – selecting the controls that are the most feasible, effective and permanent for your workplace. It may be necessary to implement multiple solutions to achieve the desired results.

Following OSHA's recommendations, the second most effective level of control requires controlling the hazard<sup>1</sup> through a physical change to the workplace or a change in the design of equipment, such as increased ventilation. Miller's complete line of innovative fume extraction systems provide solutions for any welding environment.

Examples of engineering controls include automated welding, which encloses the process and uses an extraction system to remove the particulate. General ventilation and source capture are two additional methods, with source capture being the preferred method because of its ability to capture and remove particulates at the source.

New source capture technologies like ZoneFlow™ create a larger capture area – keeping environments cleaner and improving productivity through fewer arm interactions – so operators can focus on welding.



<sup>1</sup> <https://www.osha.gov/shpguidelines/hazard-prevention.html>  
Have a certified industrial hygienist test the air in your facility to determine equipment requirements and ensure adequate protection from particulates.

# Ordering Information



## FILT AIR® Capture 5 – Mobile Systems

951639	208-230 V with 10-ft Pre-Assembled Extraction Arm
951640	230 V with 12-ft Pre-Assembled Extraction Arm
951574	460 V with 10-ft Pre-Assembled Extraction Arm
951575	460 V with 12-ft Pre-Assembled Extraction Arm



## FILT AIR® SWX ZoneFlow™ Single-Arm Add-On Packages – Stationary Systems

951760	8-in Diameter, 10-ft Pre-Assembled Extraction Arm and Motor Control Box*
951761	8-in Diameter, 12-ft Pre-Assembled Extraction Arm and Motor Control Box*



## FILT AIR® SWX ZoneFlow™ Dual-Arm Add-On Packages – Stationary Systems

951762	8-in Diameter, 10-ft Pre-Assembled Extraction Arm and Motor Control Box**
951822	8-in Diameter, 12-ft Pre-Assembled Extraction Arm and Motor Control Box**



## FILT AIR® ZoneFlow™ Extraction Arms - Centralized Systems

951810	6-in Diameter, 10-ft Pre-Assembled Extraction Arm and Motor Control Box
951811	6-in Diameter, 12-ft Pre-Assembled Extraction Arm and Motor Control Box
951758	8-in Diameter, 10-ft Pre-Assembled Extraction Arm and Motor Control Box
951759	8-in Diameter, 12-ft Pre-Assembled Extraction Arm and Motor Control Box
300952	6 in Diameter, Arm Mounting Bracket and Ducting Kit
300771	8 in Diameter, Arm Mounting Bracket and Ducting Kit

\*Includes SWX-S cabinet, self-cleaning control box and filter, blower, on/off control box, duct, and 8-in arm. 115 VAC wiring and mounting bracket NOT included.

\*\*Includes blower, on/off control box, duct, backdraft dampers, and 8-in arm. 115 VAC wiring and mounting bracket NOT included.