

# FILTAIR® Extraction Arms

**Welding Safety and Health** 

## Quick Specs

### Industrial Applications

Schools and training facilities  
Manufacturing and fabrication  
Fixed welding cells/stations

### Processes

Stick (SMAW)  
Flux-cored (FCAW)  
MIG (GMAW)  
TIG (GTAW)

### Extraction Arm Diameter

6 in. (152.4 mm) or 8 in. (203 mm)

### Extraction Arm Length

**Telescoping:** 3–4.5 ft. (0.9–1.4 m)  
**Standard:** 7, 10, or 12 ft. (2.1, 3.0 or 3.7 m)

### Recommended CFM

**6 in. arms:** 500–640 cfm  
**8 in. arms:** 875–1,135 cfm

### Extraction Arm Net Weight

**6 in. telescoping:** 21 lb. (9.5 kg)  
**6 in. x 7 ft.:** 37 lb. (17 kg)  
**6 in. x 10 ft.:** 39 lb. (18 kg)  
**6 in. x 12 ft.:** 42 lb. (19 kg)  
**8 in. telescoping:** 22 lb. (10 kg)  
**8 in. x 7 ft.:** 79 lb. (36 kg)  
**8 in. x 10 ft.:** 84 lb. (38 kg)  
**8 in. x 12 ft.:** 87 lb. (39 kg)

**FILTAIR Extraction arms are preassembled, easy to operate and designed to capture weld fume.**

FILTAIR extraction arms are designed to be mounted to a wall, pedestal or column, and are for use in a variety of welding applications.

All arms are available in 6- or 8-inch diameters, with a range of lengths available from the shorter telescoping arm to 7-, 10- or 12-foot standard arms.

For a complete weld fume capturing solution, connect an arm to a FILTAIR SWX system .



**Telescoping arms are ideal for smaller spaces.** Designed to fit small booths and spaces like those found in training, educational and light manufacturing settings, telescoping arms extend from 3 to 4.5 feet with a wide range of motion to cover all positions.

**Standard arms in three different sizes cover larger areas.** Designed to cover larger spaces, standard extraction arms are available in 7-, 10-, and 12-foot versions. External brackets and adjustments allow air to pass through with less resistance giving you stronger cfm (airflow).

**When to use 6-inch or 8-inch arms.** The 6-inch arm requires less overall cfm than an 8-inch arm, and is best suited to hood placement within 12 inches of the work area for fume collection.

An 8-inch arm is capable of delivering approximately 45-percent more airflow, and the hood can be placed further from the welding area (up to 16 inches). Additionally, the conical hood is larger in diameter and capable of collecting from a broader area. Typically the 8-inch arm is used in heavy manufacturing for larger weldments.

Have a certified industrial hygienist test the air in your facility to determine equipment requirements and ensure adequate protection from contaminants.



Extraction arms are warranted for one year, parts and labor.



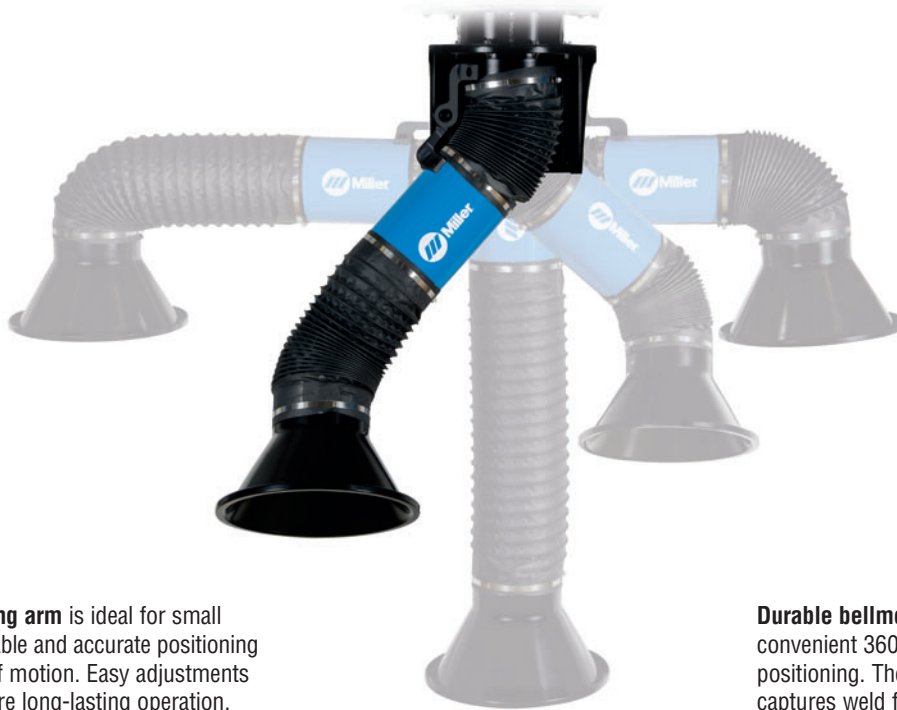
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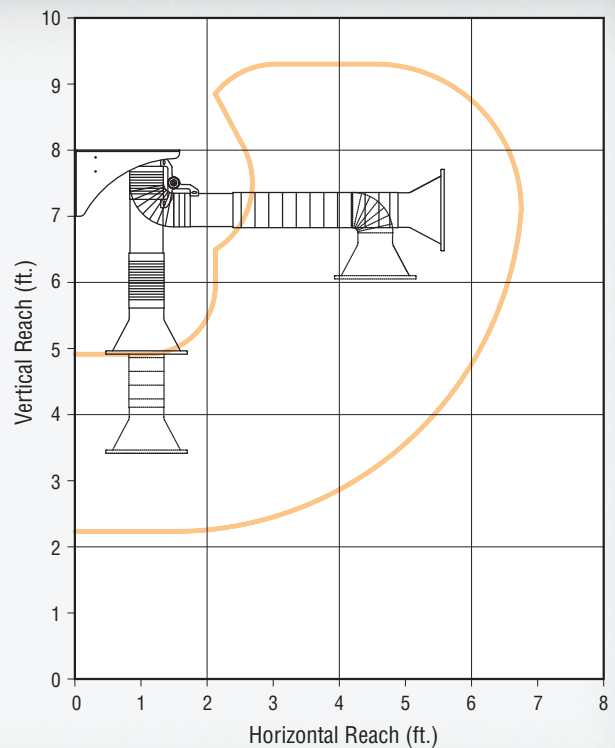

## Telescoping Extraction Arm



**Easy-to-use telescoping arm** is ideal for small spaces, and offers reliable and accurate positioning across the full range of motion. Easy adjustments and maintenance ensure long-lasting operation. Pre-assembled telescoping arms can extend from 3 to 4.5 feet.

**Durable bellmouth-shaped hood** features convenient 360-degree rotation for unlimited positioning. The FILTAIR extraction hood captures weld fumes at a greater distance from the source than other hood designs, for fewer hood adjustments on longer welds.

### Telescoping Arm Coverage Area



## Standard Extraction Arm



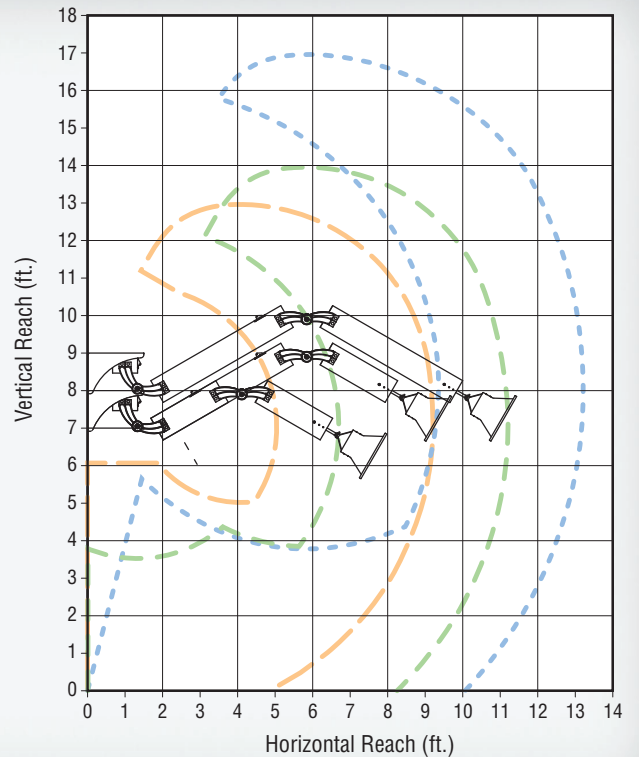
**Easy-to-operate standard arm** has external adjustments so air can pass through with less airflow resistance, giving you stronger cfm (airflow). It offers reliable and accurate positioning across the full range of motion, as well as easy adjustment and maintenance to ensure long-lasting operation. Pre-assembled extraction arms are available in 7-, 10- or 12-foot lengths.

**Durable bellmouth-shaped hood** features convenient 360-degree rotation for unlimited positioning. The FILTAIR extraction hood captures weld fumes at a greater distance from the source than other hood designs, for fewer hood adjustments on longer welds.



### Standard Arm Coverage Area

- 7 ft. Extraction Arm  
 Min. ceiling height:  
 12.33 ft. (3.8 m)
- 10 ft. Extraction Arm  
 Min. ceiling height:  
 13.33 ft. (4.1 m)
- 12 ft. Extraction Arm  
 Min. ceiling height:  
 14.33 ft. (4.4 m)



## Genuine Miller® Accessories



### Extraction Arm Mounting Kit

**300952** 6 inch (152.4 mm)

**300771** 8 inch (203 mm)

Includes all required hardware to attach the arm to a wall or column.



### Fume Extraction Blower **300691**

High-performance fan generates 1,200 cfm and creates an Accu-Rated™ minimum of 875 cfm extraction at the hood to better capture weld fumes and provide a cleaner environment.



### SWX Hood Light with Arc Sensor

**300763** Field

The hood light with arc sensor illuminates the welding zone and enables the fume extractor to start automatically when welding begins.

## Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
6-Inch Telescoping Extraction Arm	<b>301242</b>	Extraction arm only		
6-Inch x 7-Foot Wall-Mounted Extraction Arm	<b>300953</b>	Extraction arm only		
6-Inch x 10-Foot Wall-Mounted Source Capture Arm	<b>300954</b>	Extraction arm only		
6-Inch x 12-Foot Wall-Mounted Source Capture Arm	<b>300955</b>	Extraction arm only		
8-Inch Telescoping Extraction Arm	<b>301237</b>	Extraction arm only		
8-Inch x 7-Foot Wall-Mounted Extraction Arm	<b>300980</b>	Extraction arm only		
8-Inch x 10-Foot Wall-Mounted Source Capture Arm	<b>300981</b>	Extraction arm only		
8-Inch x 12-Foot Wall-Mounted Source Capture Arm	<b>300982</b>	Extraction arm only		
<b>Accessories</b>				
Extraction Arm Mounting Kit	<b>300952</b> <b>300771</b>	6-inch mounting bracket and hardware 8-inch mounting bracket and hardware		
Fume Extraction Blower (Includes on/off control box and mounting bracket)	<b>300691</b>	1 horsepower		
SWX Hood Light with Arc Sensor	<b>300763</b>	Field. For use with SWX. Fume extraction blower required		

Date:

Total Quoted Price:

Call us toll-free at 866-931-9730 or email us at [filtair@millervelds.com](mailto:filtair@millervelds.com) for information and request-for-quotes on custom-engineered solutions to fit your needs.

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