

# FILTAIR® Low Profile Hoods

**Welding Safety  
and Health** 

## Quick Specs

### Industrial Applications

Heavy equipment manufacturing  
Fabrication  
Maintenance and repair operations  
Schools and training facilities

### Processes

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

**Accu-Rated™ Airflow** Varies by model (see page 4)

**Dimensions** Varies by model (see page 4)

**Weight** Varies by model (see page 4)

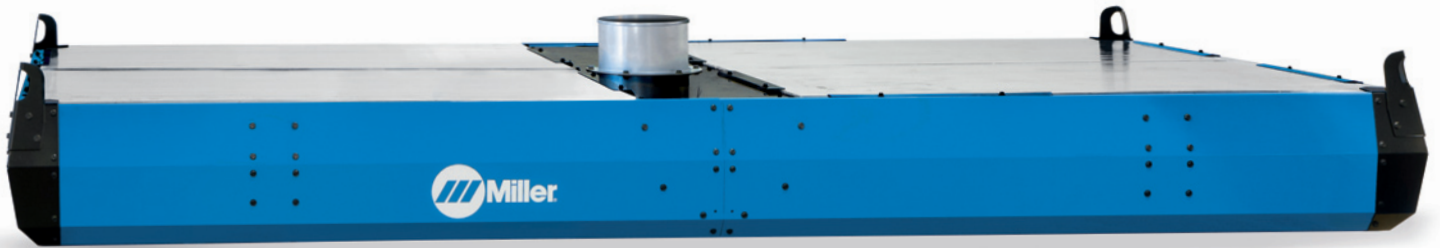
## Modular extraction hoods designed to efficiently capture thermally generated fume from industrial operations with a low profile engineered solution.

The FILTAIR low profile hood is designed to be hung, supported by legs or placed over robotic semi-automatic welding and cutting operations.

Hoods are available in sizes from 4 x 4 feet up to 16 x 16 feet in one-foot increments. Exclusive design has more efficient fume capture at lower operating costs and requires less cfm compared to fabricated canopy hoods.

### Comes complete with (assembly required):

- Side frame rails
- Corner brackets with lift eye hooks for hanging
- Post support brackets for legs
- Clear UV-protected polycarbonate ceiling panels
- Centered extraction rails with built-in spark abatement
- 10-inch duct flange adapter (rolled collar)
- Hardware kit



### FILTAIR centralized extractor benefits

- Innovative design for efficient fume capture lowers operating costs
- Patented design offers superior weld fume capture for a cleaner and compliant work environment
- Encloses automatic welding operations to improve worker protection and maximize fume capture
- Durable, lightweight, powder-coated steel design is easy to install to decrease installation cost
- Superior filtering with FilTek XL™ MERV 15 filters
- Fewer filters — one FilTek XL replaces up to three cartridge-style filters to reduce operating costs
- Up to 75 percent quieter for a safer, more productive work area
- Up to 65 percent smaller than traditional collectors, taking up less space for more installation location options

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



Hood is warranted for one year, parts and labor.



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### MillerWelds.com



# The FILTAIR® Low Profile Hood Advantage



## Low profile design

- Takes up less vertical space, allows placement where there are low ceilings
- Overall lighter weight design

## Modular design

- Available in configurations (square or rectangle) ranging from 4 x 4 feet up to 16 x 16 feet in one-foot increments

## Construction

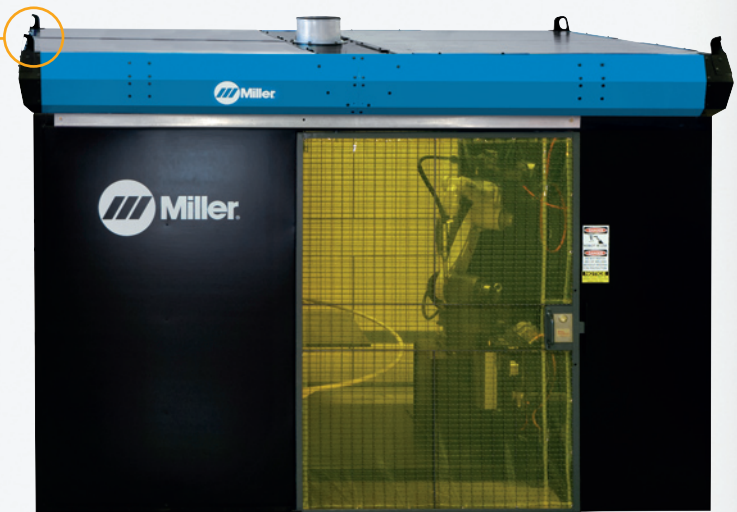
- Powder-coated light-gauge steel design provides a simple installation at an economical cost
- Durable clear polycarbonate top allows light into work cell
- 10-inch duct flange adapter (rolled collar) hood inlets — one or two depending on hood size

## Installation options

- Can be supported from above using hood corner brackets with lift eye hooks
- Receivers built into corner brackets allow for easy installation with customer-supplied posts
- Can be set upon an automation cell enclosure

## Benefits

- Lower operation costs — efficient design requires up to 40 percent less airflow compared to standard canopy hoods
- Compatible with existing collectors depending on size — selection is based on industrial ventilation guidelines
- Superior fume capture for a cleaner, safer work environment
- Encloses automatic welding operations to improve worker protection and maximize fume capture



*FILTAIR low profile hood shown set upon an automation cell enclosure.*

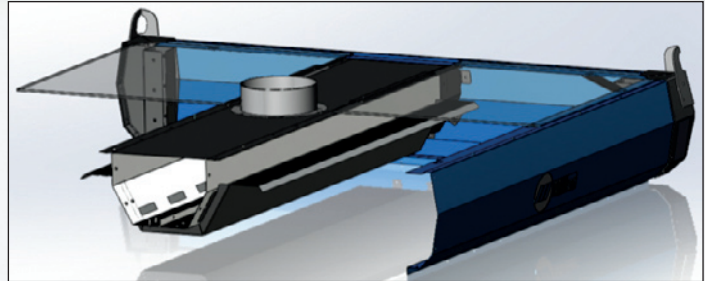
# The FILTAIR® Low Profile Hood Advantage

- 1 Exclusive design — creates a secondary air path to center extraction rail where fume capture is maximized
- 2 Designed to extract weld fume from the entire area covered by the hood, including where operators may be located in automation applications
- 3 Unique air flow offers spark abatement in the standard deflector plate
- 4 Low-resistance air-flow design reduces sound
- 5 Clear, UV-protected polycarbonate ceiling panels allow maximum light into the cell
- 6 Corner lift hooks are convenient for hanging the hood for installation and suspending of the hood



## Innovative source-extraction rail technology

- Less air required to effectively capture fume
- Capture zone distributed over the work area and is more effective at source capturing weld fumes over traditional canopy or perimeter extraction hoods
- Extraction rail technology evenly distributes airflow for efficient collection
- Side wall design directs air back to the extraction rail for effective capture
- 17.625-inch overall height





# Ordering Information and Specifications

Length (feet)\*

		4	5	6	7	8	9	10	11	12	13	14	15	16		
Width (feet)*	4	<b>301044</b> 1 inlet 1,350 cfm 220 lb.	<b>301044001</b> 1 inlet 1,350 cfm 230 lb.	<b>301044002</b> 1 inlet 1,500 cfm 240 lb.	<b>301044003</b> 1 inlet 1,650 cfm 250 lb.	<b>301044004</b> 1 inlet 1,800 cfm 265 lb.										
	5		<b>301045</b> 1 inlet 1,500 cfm 255 lb.	<b>301045001</b> 1 inlet 1,650 cfm 265 lb.	<b>301045002</b> 1 inlet 1,800 cfm 275 lb.	<b>301045003</b> 1 inlet 1,950 cfm 290 lb.	<b>301045004</b> 1 inlet 2,100 cfm 300 lb.	<b>301045005</b> 1 inlet 2,250 cfm 310 lb.								
	6			<b>301046</b> 1 inlet 1,800 cfm 290 lb.	<b>301046001</b> 1 inlet 1,950 cfm 300 lb.	<b>301046002</b> 1 inlet 2,100 cfm 325 lb.	<b>301046003</b> 1 inlet 2,250 cfm 330 lb.	<b>301046004</b> 1 inlet 2,400 cfm 340 lb.	<b>301046005</b> 1 inlet 2,550 cfm 345 lb.	<b>301046006</b> 1 inlet 2,700 cfm 355 lb.						
	7				<b>301047</b> 1 inlet 2,100 cfm 335 lb.	<b>301047001</b> 1 inlet 2,250 cfm 350 lb.	<b>301047002</b> 1 inlet 2,400 cfm 355 lb.	<b>301047003</b> 1 inlet 2,550 cfm 370 lb.	<b>301047004</b> 1 inlet 2,700 cfm 375 lb.	<b>301047005</b> 1 inlet 2,850 cfm 380 lb.	<b>301047006</b> 2 inlets 3,000 cfm 540 lb.	<b>301047007</b> 2 inlets 3,150 cfm 545 lb.				
	8					<b>301048</b> 1 inlet 2,400 cfm 375 lb.	<b>301048001</b> 1 inlet 2,550 cfm 390 lb.	<b>301048002</b> 1 inlet 2,700 cfm 395 lb.	<b>301048003</b> 1 inlet 2,850 cfm 400 lb.	<b>301048004</b> 2 inlets 3,000 cfm 420 lb.	<b>301048005</b> 2 inlets 3,150 cfm 590 lb.	<b>301048006</b> 2 inlets 3,300 cfm 595 lb.	<b>301048007</b> 2 inlets 3,450 cfm 610 lb.	<b>301048008</b> 2 inlets 3,600 cfm 615 lb.		
	9						<b>301049</b> 1 inlet 2,700 cfm 410 lb.	<b>301049001</b> 2 inlets 2,850 cfm 415 lb.	<b>301049002</b> 2 inlets 3,000 cfm 425 lb.	<b>301049003</b> 2 inlets 3,150 cfm 430 lb.	<b>301049004</b> 2 inlets 3,300 cfm 635 lb.	<b>301049005</b> 2 inlets 3,450 cfm 640 lb.	<b>301049006</b> 2 inlets 3,600 cfm 655 lb.	<b>301049007</b> 2 inlets 3,750 cfm 660 lb.		
	10							<b>301050</b> 2 inlets 3,000 cfm 440 lb.	<b>301050001</b> 2 inlets 3,150 cfm 450 lb.	<b>301050002</b> 2 inlets 3,300 cfm 460 lb.	<b>301050003</b> 2 inlets 3,450 cfm 680 lb.	<b>301050004</b> 2 inlets 3,600 cfm 685 lb.	<b>301050005</b> 2 inlets 3,750 cfm 705 lb.	<b>301050006</b> 2 inlets 3,900 cfm 710 lb.		
	11								<b>301051</b> 2 inlets 3,300 cfm 475 lb.	<b>301051001</b> 2 inlets 3,450 cfm 485 lb.	<b>301051002</b> 2 inlets 3,600 cfm 725 lb.	<b>301051003</b> 2 inlets 3,750 cfm 730 lb.	<b>301051004</b> 2 inlets 3,900 cfm 745 lb.	<b>301051005</b> 2 inlets 4,050 cfm 750 lb.		
	12									<b>301052</b> 2 inlets 3,600 cfm 510 lb.	<b>301052001</b> 2 inlets 3,750 cfm 770 lb.	<b>301052002</b> 2 inlets 3,900 cfm 775 lb.	<b>301052003</b> 2 inlets 4,050 cfm 790 lb.	<b>301052004</b> 2 inlets 4,200 cfm 795 lb.		
	13										<b>301053</b> 2 inlets 3,900 cfm 830 lb.	<b>301053001</b> 2 inlets 4,050 cfm 835 lb.	<b>301053002</b> 2 inlets 4,200 cfm 850 lb.	<b>301053003</b> 2 inlets 4,350 cfm 860 lb.		
	14											<b>301054</b> 2 inlets 4,200 cfm 880 lb.	<b>301054001</b> 2 inlets 4,350 cfm 895 lb.	<b>301054002</b> 2 inlets 4,500 cfm 905 lb.		
	15												<b>301055</b> 2 inlets 4,500 cfm 920 lb.	<b>301055001</b> 2 inlets 4,650 cfm 950 lb.		
	16														<b>301056</b> 2 inlets 4,800 cfm 995 lb.	

Notes: Inlets are 10-inch diameter. Values for cfm are based upon recommended industrial ventilation guidelines. Static pressure at given airflow equals 0.7 in. w.g.

\*Listed dimensions are for inside edges. Add 9.5 inches to width and 9.5 inches to length for overall (outside edge) hood dimensions.

Overall height including corner brackets is 17.625 inches.

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