



SWSI

Southern Welding Systems International LLC

Welding | Industrial | Safety

International Wholesale Distribution

Contact us for Pricing:

Phone: 281-485-9772 | Fax: 281-485-4386

Email: Sales@swsintl.com | Website: www.swsintl.com

Address: 3908 1st Street Pearland, Texas 77581



FUME EXTRACTION

Designed exclusively for welding applications.

MillerWelds.com/FumeExtraction



Choose the Right Fume Extractor

FILTAIR	130	400	MWX Series	SWX Series	Industrial Series
Application	Portable, high-vacuum unit ideal for MRO, contractors and intermittent welding	Stationary, high-vacuum unit ideal for heavy manufacturing	Mobile systems designed for manufacturing and fabrication shops, schools and training facilities	Stationary systems designed to maximize floor space in manufacturing and fab shops, schools and training facilities	Centralized systems designed for heavy manufacturing
Source/Submicron Capture	Yes	Yes	Yes	Yes	Yes
Filter Type	Manually cleanable filter	Automatic online filter cleaning	MWX-S: Self-cleaning filter mechanism MWX-D: Disposable filter	SWX-S: Self-cleaning filter mechanism SWX-D: Disposable filter	Automatic online/offline filter cleaning
Filter Media Area	16 ft ² (1.49 m ²)	108 ft ² (10 m ²)	490 ft ² (45.52 m ²)	490 ft ² (45.52 m ²)	280-1680 ft ² (26-156 m ²)
CFM (Airflow)	132	400	875	875	960-13,440
Accessories	Three optional magnetic nozzles and a fume gun	Three optional magnetic nozzles, fume gun and a start/stop sensor	One arc sensor/light kit	One arc sensor/light kit	Arms, hoods and ducting

FILTAIR® 130 and 400

See Literature No. AY/3.1 and AY/3.3

Portable (130 model) and stationary (400 model) high-vacuum weld fume extractors designed for use with fume guns to collect weld fume particles at the source.



FILTAIR 130
(includes 8-ft. collection hose)

NEW! FILTAIR 400
(collection hoses not included, order separately)

FILTAIR 130 Features

Highest performing filter in the industry will last longer and capture the smallest submicron (<1 micron) particles. Our filter is manually cleanable and the unit features a fume collection tray to minimize maintenance.

Less noise. One of the quietest portable systems in the industry at 68.5 dBA at five feet.

Portable and compact unit has castor wheels and handle bar to increase portability, allowing operators to maneuver into small spaces or hard-to-reach areas. Includes 20-foot power cord and an 8-foot collection hose.

FILTAIR 400 Features

User Flexibility. With four-port access, the unit can remain centrally located while providing mobility of accessories ideally suited for use with fume gun.

Miller® MERV 16 TruLock™ filter technology ensures quality weld fume extraction. The surface-loading filter technology captures submicron particles, providing optimal cleaning and the highest weld fume filtration quality for the life of the filter.

Automated Filter Cleaning. The intelligent filter-control system generates automatic filter cleaning, saving overall cost.

Rigid Metal Housing. Designed for industrial use, the FILTAIR 400 will withstand the toughest environments while providing the highest level of weld fume extraction.

Processes

- Stick (SMAW) • Flux-Cored (FCAW)
- MIG (GMAW) • TIG (GTAW)

Comes With

- Filter
- 8-ft. collection hose (130 model only)

Most Popular Accessories

- Replacement Filters
- Disposable (130 model) #300 671
- Self-cleaning (400 model) #300 925



Collection Hose

- 17 ft. (5.2 m) #300 672
- 34 ft. (10.4 m) #300 673



Magnetic Nozzles

- 11.8 in. (300 mm) width #300 669
- 23.6 in. (600 mm) width #300 670



Flexible Funnel Magnetic Nozzle

- #300 668
 - Start/Stop Sensor (400 model only)
 - 20 ft. (6.1 m) #300 932
 - 35 ft. (10.7 m) #300 973
- Starts/stops extractor automatically when welding begins or ends. One required per inlet port being used.



NEW! Bernard® FILTAIR Extraction Gun Series

Ideally suited for almost any solid-wire welding application. Available in 400 and 600 A models. Contact Bernard at 1-800-946-2281 to order. When ordering gun, be sure to order Bernard gun adaptor.

Model/Stock Number	Filter Media	Nominal Airflow	Sound Level	Motor	Input Power	Dimensions	Net Weight
FILTAIR 130 (#300 595)	16 ft ² (1.49 m ²)	132 CFM (62 L/sec.)	68.5 dBA at 5 ft. (1.5 m)	1 HP	115 VAC/1-Phase/60 Hz at 11 A	H: 23 in. (584 mm) W: 12 in. (305 mm) D: 12 in. (305 mm)	46 lb. (21 kg)
FILTAIR 400 (#300 894)	108 ft ² (10 m ²)	400 CFM (189 L/sec.)	74 dBA at 5 ft. (1.5 m)	8.85 HP	460 VAC/3-Phase/60 Hz	H: 54 in. (1372 mm) W: 26 in. (660 mm) D: 48 in. (1219 mm)	551 lb. (250 kg)



FILTAIR® MWX and SWX Series See Literature No. AY/3.0 and AY/3.2

Experience extended filter life, increased efficiency and cleaner air with our advanced nanofiber filter technology. Both the MWX (mobile) and SWX (stationary) source capture systems include an S model (self cleaning) and D model (disposable filter).

The MWX Series of mobile fume extractors provides a portable means of fume extraction.



MWX-S (self-cleaning) model with 10-ft. extraction arm shown.



SWX-D (disposable filter) model with 7-ft. extraction arm shown.

The SWX Series of stationary wall-mounted fume extractors maximizes floor space, plus allows the flexibility to connect one or two extraction arms to extend fume extraction capability.

Features Common to All Models

Superior filter life from our exclusive MERV 15 TruLock™ nanofiber filter ensures capture of submicron weld fumes, more holding capacity and the ability to maintain low pressure drop—resulting in a longer lasting filter and a cleaner work space.

MERV 15 rating of FILTAIR nanofiber filters is the highest in the industry. Up to 95 percent of weld fumes are submicron and FILTAIR filters capture 85–95 percent of these particles.

Strong suction power of 875 CFM delivers long-lasting airflow throughout the life of the filter.

Extraction arm is obstruction free so air can pass through with less airflow resistance, giving you stronger CFM (airflow).

Self-Cleaning Models Additional Features

Self-cleaning filter technology features an innovative filter cleaning mechanism designed to increase productivity and greatly extend filter life.

One-minute cleaning cycle operates with a push of a button on the control panel.

Miller® TruLock™ nanofiber filter is surface loading. Weld fume does not penetrate deep into the filter. This enables particles to be easily released during the cleaning process and keeps pressure drop low.

Disposal drawer provides easy and convenient access to empty out collected particles. Handle releases drawer allowing it to slide out.

Note: Compressed air required to operate cleaning mechanism.

Processes

- Stick (SMAW) • Flux-Cored (FCAW)
- MIG (GMAW) • TIG (GTAW)

Comes With

- Filter

Most Popular Accessories

• Replacement Filters

Self-Cleaning Filter #300 540

Disposable Filter #300 539



Nanofiber cartridge filter features an ultra-thin surface webbing of tiny fibers that capture weld fumes on the filter surface. FILTAIR's MERV 15* TruLock™ filter provides higher efficiency and longer filter life overall.

**MERV (Minimum Efficiency Reporting Value) is between 1 and 16. A higher MERV indicates a more efficient filter and is more effective against submicron-sized particles .30 to 1.0 micron.*

• Hood Light with Arc Sensor

For MWX Series #300 689

For SWX Series #300 763



Illuminates the welding zone and enables the fume extractor to start automatically when welding begins.



• SWX Dual Arm Add-On Packages

SA-W807 (7-ft. arm) #951 344

SA-W810 (10-ft. arm) #951 345

SA-W812 (12-ft. arm) #951 346

Includes arm, blower and back draft dampers to turn single-arm weld fume extractor into dual-arm extractor.

• SA-W Arm Ducting Kit #300 771

Includes a supporting bracket, collar and hardware for connecting an arm to existing duct work.

Model/Stock Number	Filter Media	Nominal Airflow	Extraction Arm Diameter	Sound Level	Motor	Input Power	Dimensions	Net Weight
MWX-S (Self-Cleaning) Models (#951 178) 7-ft. extraction arm (#951 179) 10-ft. extraction arm (#951 180) 12-ft. extraction arm	MWX-D (Disposable Filter) Models (#951 143) 7-ft. extraction arm (#951 144) 10-ft. extraction arm (#951 145) 12-ft. extraction arm	490 ft. ² (45.52 m ²)	875 CFM (413 L/sec.)	8 in. (203 mm)	Approximately 70 dBA at 5 ft. (1.5 m)	1 HP, 3450 RPM	H: 34.75 in. (883 mm) W: 31.75 in. (806 mm) D: 48 in. (1219 mm)	MWX-S 300 lb. (136 kg) MWX-D 238 lb. (108 kg)
SWX-S (Self-Cleaning) Models (#951 339) 7-ft. extraction arm (#951 335) 10-ft. extraction arm (#951 340) 12-ft. extraction arm	SWX-D (Disposable Filter) Models (#951 336) 7-ft. extraction arm (#951 337) 10-ft. extraction arm (#951 338) 12-ft. extraction arm	490 ft. ² (45.52 m ²)	875 CFM (413 L/sec.)	8 in. (203 mm)	Approximately 74 dBA at 5 ft. (1.5 m)	1 HP, 3450 RPM	SWX-S H: 33 in. (838 mm) SWX-D H: 29 in. (737 mm) W: 27.25 in. (692 mm) D: 33 in. (838 mm)	SWX-S 195 lb. (88 kg) SWX-D 130 lb. (59 kg)

NEW! FILTAIR® Industrial Series Centralized Systems See Literature No. AY/3.4

Packaged filter efficiency. Our exclusive MERV 15 TruLock™ nanofiber filter pack has a compressed design and replaces up to three traditional cartridge filters.

Easy-clean filter with surface-loaded filter technology.

Stand-alone space saver. Our design provides up to a 65 percent smaller footprint versus the traditional cartridge filter collector. This fully assembled weld fume filter box provides all the necessary extraction tools, while offering customizable options.



Call toll-free 855-FILTAIR (345-8247) for information on custom engineered solutions to fit your needs.

FILTAIR 4000 model shown. Other models are available (2000, 6000, 8000, and 12000).