



## Welding Fume Extractor Series

# SENTRY AIR SYSTEMS, INC.

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# Welding Fume Extraction



## Portable Welding Fume Extractor Models

Sentry Air Systems' line of *Portable Welding Fume Extractors* are designed with heavy-duty casters and self-supportive source-capture flex arms to give the operator full control of the unit's position in relation to their welding process. These energy-efficient systems are equipped with high-quality filtration media which allows a recirculating air pattern that does not require exterior ducting or make-up air.



### Model 300 Welding Fume Extractor [Model # SS-300-WFE]

The Model 300 Welding Fume Extractor has the smallest footprint in the Sentry Air portable welding fume extraction line [15.5" L x 13" W x 16.5" H]. This unit is capable of up to 350 CFM and includes a 68" L x 5" diameter flame-retardant, self-supportive flex arm with 360° rotation. A Variable Speed Controller is also included.

**Air Volume:** Up to 350 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 15.5" L x 13" W x 16.5" H  
**Electrical:** 115/1/60, 2 amps ; 220/1/50, 0.75 amps



### Model 400 Welding Fume Extractor [Model # SS-400-WFE]

The Model 400 Welding Fume Extractor is slightly larger than the Model 300 and provides up to 700 CFM of air volume. It also has approximately twice the filter capacity. This system includes a 72" L x 6" diameter flame-retardant, self-supportive flex arm and Variable Speed Controller.

**Air Volume:** Up to 700 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 22.5" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 2.5 amps ; 220/1/50, 1.5 amps



### Model 450 Welding Fume Extractor [Model # SS-450-WFE]

The Model 450 Welding Fume Extractor has the same footprint as the Model 400 Welding Fume Extractor, but is capable of up to 950 CFM of air volume. This system also includes a 72" L x 6" diameter flame-retardant, self-supportive flex arm and Variable Speed Controller.

**Air Volume:** Up to 950 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 23.75" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 10.7 amps



### Model 500 Welding Fume Extractor [Model # SS-500-PFS-MP1]

The Model 500 Welding Fume Extractor is engineered for applications that require heavy-duty and high volume fume extraction. This powerful air purification system is capable of providing up to 1300 CFM of air volume and is available in various source-capture configurations. One popular option is an 11' L by 8" diameter source-capture arm that is externally supported with full 360° arm rotation.

**Air Volume:** Up to 1300 CFM on High; Down to 400 CFM on Low  
**Filtration Media:** (4) MERV 16 Micro-Pleat Series 1 Filters  
**Base Unit Dimensions:** 30" D x 30" W x 42.5" H  
**Electrical:** 115/1/60, Approx. 10.7 amps ; 220/1/50, Approx. 5 amps



# Welding Fume Extraction



## Portable "Python" Welding Fume Extractor Models

Sentry Air Systems' line of *Portable "Python" Welding Fume Extractors* are designed for welding applications that are performed in hard-to-reach areas. All of Sentry Air's "Python" welding fume extraction models are equipped with long, flame-retardant "python" hoses that are available in options up to 25 feet in length. The included magnetic source-capture hood allows the operator to attach it to a surface without having to manually hold the hose in place while capturing welding smoke and fumes. Typical applications include: maintenance welding, stainless steel tank welding, welding in confined spaces, fume extraction in elevated spaces [e.g. ceiling and raptors], rapid location welding applications, stainless steel pipe welding, welding on metal beams, and more.



### Model 200 Mini Welding Fume Extractor [Model # SS-200-MFE]

The Model 200 Mini Welding Fume Extractor weighs only 12 lbs. and is a highly portable fume extraction option for applications that are in elevated or hard-to-reach areas. It is equipped with a convenient carrying handle, a 43" L flame-retardant hose, and a magnetic capture hood that can be attached to a variety of metal surfaces. This unit is capable of up to 100 CFM of air volume.

**Air Volume:** Up to 100 CFM

**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger].

Additional Options: ASHRAE Filtration.

**Base Unit Dimensions:** 10.5" L x 8" W x 12" H

**Electrical:** 115/1/60, 0.3 amps ; 220/1/50, 0.2 amps



### Model 300 Python Welding Fume Extractor [Model # SS-300-PYT]

The Model 300 Python Welding Fume Extractor is equipped with a 12' L flame-retardant, flexible hose [25' L hose also available] that makes this unit perfect for applications that require fume extraction in hard-to-reach areas. This unit features quiet operation, a small footprint, and is capable of up to 350 CFM of air volume. A Variable Speed Controller and Portability Handle are included.

**Air Volume:** Up to 350 CFM on High; Down to 50 CFM on Low

**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger].

Additional Options: ASHRAE Filtration.

**Base Unit Dimensions:** 15.5" L x 13" W x 16.5" H

**Electrical:** 115/1/60, 2 amps ; 220/1/50, 0.75 amps



### Model 400 Python Welding Fume Extractor [Model # SS-400-PYT]

The Model 400 Python Welding Fume Extractor includes the same features as the Model 300 Python Welding Fume Extractor, but has a slightly larger footprint and is capable of up to 700 CFM. It also has approximately twice the filter capacity. A 12' L flame-retardant flex arm, Variable Speed Controller, and Portability Handle are also included.

**Air Volume:** Up to 700 CFM on High; Down to 50 CFM on Low

**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger].

Additional Options: ASHRAE Filtration.

**Base Unit Dimensions:** 22.5" L x 20" W x 19.5" H

**Electrical:** 115/1/60, 2.5 amps ; 220/1/50, 1.5 amps



### Model 450 Python Welding Fume Extractor [Model # SS-450-PYT]

The Model 450 Python Welding Fume Extractor has the same footprint as the Model 400, but is capable of up to 950 CFM of air volume. This unit also includes a 12' L flame-retardant flexible hose, Variable Speed Controller, and Portability Handle.

**Air Volume:** Up to 950 CFM on High; Down to 50 CFM on Low

**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger].

Additional Options: ASHRAE Filtration.

**Base Unit Dimensions:** 30" D x 30" W x 42.5" H

**Electrical:** 115/1/60, 10.7 amps



### Model 500 Python Welding Fume Extractor [Model # SS-450-PYT]

The Model 500 Welding Fume Extractor is engineered for applications that require heavy-duty and high volume fume extraction. This powerful fume extractor is capable of providing up to 1300 CFM of air volume and is equipped with four cleanable Micro-Pleat Series 1 filters for easy maintenance. This system includes a Variable Speed Controller and Magnehelic Gage.

**Air Volume:** Up to 1300 CFM on High; Down to 400 CFM on Low

**Filtration Media:** (4) MERV 16 Micro-Pleat Series 1 Filters

**Base Unit Dimensions:** 30" D x 30" W x 42.5" H

**Electrical:** 115/1/60, Approx. 10.7 amps ; 220/1/50, Approx. 5 amps



# Welding Fume Extraction



## Wall-Mounted Welding Fume Extractor Models

Sentry Air Systems' line of *Wall-Mounted Welding Fume Extractors* are source-capture fume extractors that are designed to free up valuable benchtop and floor space. All wall-mounted units feature a free-hanging, self-supportive and flame-retardant flex arm that can easily be maneuvered by the operator to their desired location. All systems include wall-mounting brackets and a Remote Variable Speed Controller.



### Model 300 Sky Sentry Welding Fume Extractor [Model # SS-300-SKY]

The Model 300 Sky Sentry Welding Fume Extractor features a 32" L x 4" diameter flame-retardant flex arm [and 15" of stainless steel ducting]. When mounted to the wall, it has a 62.5" swivel radius. This system also includes mounting brackets and a Variable Speed Controller with an optional remote control version.

**Air Volume:** Up to 350 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 13" L x 13" W x 16.5" H  
**Electrical:** 115/1/60, 2 amps ; 220/1/50, 0.75 amps



### Model 400 Sky Sentry Welding Fume Extractor [Model # SS-400-SKY]

The Model 400 Sky Sentry Welding Fume Extractor has a slightly larger footprint than the Model 300 Sky Sentry and is capable of double the amount of air volume [up to 700 CFM]. It also has twice the filter capacity. The Model 400 Sky Sentry also includes mounting brackets and a Variable Speed Controller with an optional remote control version.

**Air Volume:** Up to 700 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 21" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 2.5 amps ; 220/1/50, 1.5 amps



### Model 450 Sky Sentry Welding Fume Extractor [Model # SS-450-WFE]

The Model 450 Welding Fume Extractor has the same size footprint as the Model 400 Welding Fume Extractor, but is capable of up to 950 CFM of air volume. This system also includes mounting brackets and a Variable Speed Controller with an optional remote control version.

**Air Volume:** Up to 950 CFM on High; Down to 50 CFM on Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 21" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 10 amps



### Fan-Powered & Non-Powered Extraction Arms [Model # SS-250-PEA4 & Model # SS-000-EA4]

Sentry Air's Model 250 Fan-Powered Exhaust Arm is equipped with a fan [capable of up to 250 CFM], 15" of stainless steel ducting, and a 32" L flame-retardant flex arm. This system is designed to vent outside and does not require filtration media. The modular design of this extractor arm allows for four possible exterior exhaust options. The Non-Powered Extraction Arm [Model # SS-000-EA4] does not include a fan.

**Air Volume For Fan-Powered Arm:** Up to 250 CFM on High; Down to 50 CFM on Low  
**Dimensions:** 15" L Stainless Steel Ducting, 32" L Flame-Retardant Flex Arm  
**Electrical For Fan-Powered Arm:** 115/1/60, 0.6 amps



# Welding Fume Extraction



## Multiple Operator Welding Fume Extractor Models

Sentry Air Systems' line of *Multiple Operator and Multi-Station Welding Fume Extractors* are designed specifically for two or more operators. These systems are frequently used in classroom and training environments, so multiple operators can work at once. Sentry Air's multiple operator units are typically available in dual or quad configurations; however, other options may be available depending on the application. The self-supportive flex arms on these systems can be taken on and off dependent on the user's needs. Accessories (End Caps) are available to block inlet ports at the base of the unit if all flex arms are not required for operation.



### Model 300 Dual & Quad Arm Welding Fume Extractors [Dual Model # SS-300-FSD - Quad Model # SS-300-FSQ]

The Model 300 Dual & Quad Arm Welding Fume Extractors are uniquely designed to provide portable fume extraction to two or four operators simultaneously. The flame-retardant, self-supportive flex arms provide equal suction at all inlets, which directs contaminants into the patented filtration system. The Dual Arm configuration is equipped with two 48" L x 4" diameter flex arms, while the Quad Arm configuration includes four 48" L x 3" diameter flex arms.

**Air Volume:** Dual: Up to 175 CFM High Per Arm, Down to 50 CFM Low, Quad: 88 CFM High Per Arm, Down to 50 CFM Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 15.5" L x 13" W x 16.5" H  
**Electrical:** 115/1/60, 2 amps ; 220/1/50, 0.75 amps



### Model 400 Dual & Quad Arm Welding Fume Extractors [Dual Model # SS-400-FSD - Quad Model # SS-400-FSQ]

The Model 400 is available in both Dual & Quad Arm configurations. The Dual Arm configuration is equipped with two 48" L x 5" diameter flame-retardant flex arms, while the Quad Arm configuration includes four 48" L x 3" diameter flexible arms. Both models also include a Variable Speed Controller and Portability Handle. End Caps, for plugging unused inlet ports, are available as an optional accessory.

**Air Volume:** Dual: Up to 350 CFM High Per Arm, Down to 50 CFM Low, Quad: 175 CFM High Per Arm, Down to 50 CFM Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 22.5" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 2.5 amps ; 220/1/50, 1.5 amps



### Model 450 Dual & Quad Arm Welding Fume Extractors [Dual Model # SS-450-FSD - Quad Model # SS-450-FSQ]

The Model 450 Dual & Quad Arm Welding Fume Extractors have the same footprint and flex arm lengths as the Model 400; however, the Model 450 is capable of up to 950 CFM of air volume. Like the Model 400, these units also include a Variable Speed Controller and Portability Handle.

**Air Volume:** Dual: Up to 475 CFM High Per Arm, Down to 50 CFM Low, Quad: 238 CFM High Per Arm, Down to 50 CFM Low  
**Filtration Media:** Pre-filter and HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger]. Additional Options: ASHRAE Filtration.  
**Base Unit Dimensions:** 23.75" L x 20" W x 19.5" H  
**Electrical:** 115/1/60, 10 amps



### Model 500 Dual Arm Python Welding Fume Extractor [Model # SS-500-PYT-MP1-D]

The Model 500 Welding Fume Extractor is engineered for applications that require heavy-duty and high volume fume extraction. This powerful air purification system is capable of providing up to 1300 CFM. The Model 500 is equipped with two 12' L x 6" diameter "python" hoses with magnetic capture hoods and four cleanable Micro-Pleat Series 1 Filters.

**Air Volume:** Up to 650 CFM High Per Arm, Down to 50 CFM Low  
**Filtration Media:** (4) MERV 16 Micro-Pleat Series 1 Filters  
**Base Unit Dimensions:** 30" D x 30" W x 42.5" H  
**Electrical:** 115/1/60, Approx. 10.7 amps ; 220/1/50, Approx. 5 amps

