

## Model 450 Portable Floor Sentry

Model # SS-450-PFS



The **Portable Floor Sentry Fume Extractor** is used as an engineering safety control for a variety of industrial applications that require the capture and filtration of airborne contaminants and chemical fumes. This source capture fume extractor features quiet operation, a powerful fan, a flame-retardant and self-supportive flex arm, and a variety of high-quality filtration media.

Typical applications for this unit include: *welding fume control, chemical fume extraction, solvent and epoxy fume control, particulate extraction, powder filling, soldering, light grinding, clean room applications, and a variety of applications involving chemical fumes and dust.*

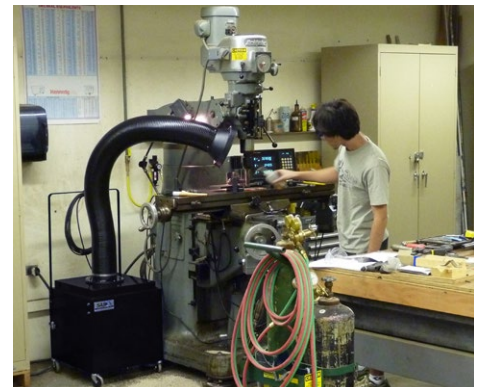
Several filter media options are available for this unit and include: **HEPA filtration** (up to 99.97% efficiency on particles 0.3 microns and larger), **ASHRAE filtration** (up to 95% efficiency on particles 0.5 microns and larger), **ULPA filtration** (up to 99.9995% efficiency on particles 0.12 microns and larger), **Activated Carbon**, and **specialty-blended filter media** [i.e. acid gas, mercury, aldehyde, and ammonia]. The **Portable Floor Sentry** allows multiple filter media to be housed inside the filter chamber for applications that emit both particulates and fumes.

Other unit features include a variable speed controller, portability handle, 360-degree swivel arm, simple and quick “no-tool” filter change, and optional accessories including a Magnehelic Gauge, and quick change pre-filter.

Two smaller models [SS-300-PFS & SS-400-PFS] and a larger model [SS-500-WFE-MP1] are also available.



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### Product Features

- **Includes:** Variable speed controller (115V only), ON/OFF toggle switch (220V only), portability handle, and self-supportive flexible arm
- **Optional:** Magnehelic Gauge
- 360-degree swivel arm
- Quiet, reliable, and low maintenance operation
- Low power consumption
- Long filter life
- Simple, quick “no tool” filter change



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# Fume & Particulate Removal

## Product Specifications



Dimensions are approximate  
Shown with optional accessories



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Base Unit Dimensions	<b>Length:</b> 22.5" (includes control box) <b>Width:</b> 20" <b>Height:</b> 19.5"
Arm Dimensions	6" Diameter, 72" L fire-retardant flex arm 10.5" diameter capture hood
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	62 - 112 lbs.
Air Volume (approximately)	<b>High:</b> up to 950 CFM <b>Low:</b> down to 50 CFM
Electrical	115/1/60, 10.7 amps 220/1/50, 5.35 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (at 3' from inlet)	Approx. 72 dba (High)
Main Filter Options	<i>Depending on the Application:</i> <b>HEPA</b> [up to 99.97% efficiency on particles 0.3 microns and larger] <b>ASHRAE</b> [up to 95% efficiency on particles 0.5 microns and larger] <b>ULPA</b> [up to 99.9995% efficiency on particles 0.12 microns and larger] <b>Activated Carbon</b> <b>Specialty-Blended Filter Media</b> [i.e. acid gas, mercury, aldehyde, and ammonia]
Limited Warranty (From Date of Shipment)	Limited two year warranty on defects due to materials or workmanship.  Limited six month warranty on fan/motor assembly.
Patent #	5,843,197