

## Model 450 Portable Floor Sentry

Model # SS-450-PFS



The **Portable Floor Sentry Fume Extractor** is used as a respiratory 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, 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, digital hour counter, 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.

### Product Features

- Variable speed controller (115V only)
- On/Off toggle switch (220V only)
- Portability handle
- Self-supportive, flexible arm
- 360-degree swivel arm
- Quiet, reliable, and low maintenance operation
- Low power consumption
- Long filter life
- Simple, quick “no tool” filter change
- **Optional:** magnehelic gauge, hour counter



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# Fume & Particulate Removal

## Product Specifications



6" Diameter,  
72" L Flex Arm

Dimensions are approximate  
Shown with optional accessories



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<b>Base Unit Dimensions</b>	<b>Length:</b> 22.5" (w/control box) <b>Width:</b> 20" <b>Height:</b> 19.5"
<b>Arm Dimensions</b>	6" Diameter, 72" L fire-retardant flex arm 10.5" diameter capture hood
<b>Cabinet Material</b>	16 Ga. carbon steel
<b>Weight (approximately)</b>	62 - 112 lbs.
<b>Air Volume (approximately)</b>	High – 950 CFM Low – 50 CFM
<b>Electrical</b>	115/1/60, 10.7 amps 220/1/50, 5.35 amps 8' grounded power cord with NEMA 5-15P plug
<b>Sound Level (at 3' from inlet)</b>	Approx. 72 dba (High)
<b>Main Filter Options</b>	Depending on the Application: <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, Ammonia]
<b>Limited Warranty (From Date of Shipment)</b>	Limited two year warranty on defects due to materials or workmanship. Limited six month warranty on fan/motor assembly.
<b>Patent #</b>	5,843,197