

Model 450 Portable Floor Sentry with 7' Heavy Duty Arm — Portable Fume Extractor



Model # SS-450-PFS-HFA

The **Model 450 Portable Floor Sentry with 7' HD Arm** fume extractor provides a respiratory safety control by filtering and capturing airborne contaminants and chemical fumes produced from a variety of industrial applications. 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% efficient on particles 0.3 microns and larger], **ASHRAE filtration** [up to 95% efficient on particles 0.5 microns and larger], **Activated Carbon**, and **specialty-blended filter media** [i.e. acid gas, mercury, aldehyde, and ammonia]. The **Model 450 Portable Floor Sentry** allows multiple filter media to be housed inside the filter chamber for applications that emit both particulate and fumes.

The 7' heavy-duty extractor arm provides self-supportive 360° radius fume capture allowing the operator to move the 10" capture hood closer to the source. Made of 6" diameter air-craft grade aluminum and flexible segments of flame-retardant hose, the 7' heavy-duty extractor arm outfits the **Model 450 Portable Floor Sentry** to provide fume and particulate control for high intensity industrial applications.

The unit also features a variable speed controller, portability handle with heavy-duty casters for easy mobility, simple and quick "no-tool" filter change, and optional accessories including a Magnehelic Gauge and quick change pre-filter.

Sentry Air also offers larger models with higher air volumes including Model 500 Portable Floor Sentry with a 7 ft heavy-duty arm [SS-500-PFS-MP1] and Model 500 Portable Floor Sentry with a 10 ft heavy-duty arm [SS-500-PFS-WFE].



Model 400 Portable Floor Sentry with 7' HD Arm



The Heavy Duty Arm allows the operator to move it closer to the fume source.

Product Features

- **Includes:** Variable speed controller, portability handle & heavy-duty casters, 360° swivel arm
- **Optional:** Magnehelic Gauge and quick change pre-filter
- Reliable, low maintenance operation
- No exterior ducting required
- Simple and quick "no tool" filter change



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Fume & Particulate Removal

Product Specifications



Dimensions are approximate.



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Base Unit Dimensions	Length: 26" Width: 26" Height: 22.5"
Arm Dimensions	7" Diameter 7' L HD Hybrid Arm
Arm Material	Rigid segment: Aircraft-grade aluminum, 7" diameter Flexible segment: Black Flex Sentry™ flame-retardant hose Capture Hood: 10.5" round powder coat aluminum hood
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	72 lbs. to 122 lbs.
Air Volume (approximately)	Up to 950 CFM (High) Down to 50 CFM (Low)
Electrical	115/1/60, 10.7 amps 220/1/50, 5.35 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (3' from inlet)	Approx. 72 dba (High)
Main Filter Options	<i>Depending on the Application:</i> HEPA [up to 99.97% efficiency on particles 0.3 microns and larger] ASHRAE [up to 95% efficiency on particles 0.5 microns and larger] ULPA [up to 99.9995% efficiency on particles 0.12 microns and larger] Activated Carbon Specialty-Blended Filter Media [i.e. acid gas, mercury, aldehyde, and ammonia]
Limited Warranty (From Date of Shipment)	Limited six month warranty for fan/motor assembly. Limited two year warranty on defects due to materials or workmanship.
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