

Model 400/450 Portable Floor Sentry

Model # SS-400/450-PFS



The **Model 400/450 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, digital hour counter, quick change pre-filter, and stainless steel construction upgrade.

A smaller model [SS-300-PFS] and a larger model [SS-500-WFE-MP1] are also available.

Product Features

- **Includes:** variable speed controller, portability handle, and (1) 72" L self-supportive flexible arm (360° swivel)
- **Optional:** Magnehelic Gauge, quick change pre-filter, hour counter, and stainless steel construction upgrade.
- 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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The Model 400/450 Portable Floor Sentry helps protect the operator from fumes by extracting at the source.



Model 400/450 PFS Stainless Upgrade



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Fume & Particulate Removal

Product Specifications



Dimensions are approximate.
Shown with optional accessories.



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Base Unit Dimensions (L x W x H)	400: 22.5" x 20" x 19.5" 450: 22.5" x 20" x 21.75" <i>(includes control box in length)</i>
Arm Dimensions	6" diameter, 72" L fire-retardant flex arm 10.5" diameter capture hood
Cabinet Material	16 ga. carbon steel
Weight	Approx. 50 - 110 lbs.
Air Volume (approximately)	400: 50 - 700 CFM 450: 0 - 877 CFM <i>(from low to high)</i>
Electrical	400: 115/1/60, 2.5 amps 220/1/50 or 60, 1.5 amps 450: 115/1/60, 5.2 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (3' from inlet)	400: Approx. 60 dba (<i>high</i>) 450: Approx. 71 dba (<i>high</i>)
Main Filter Options	<i>Depending on the Application:</i> 400 - Chemical: Activated Carbon Specialty-Blended Filter Media [i.e. acid gas, mercury, aldehyde, and ammonia] 400 & 450 - Particulate: 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]
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