

Model 400/450 Stainless Steel Portable Floor Sentry - Portable Fume Extractor



Model # SS-400/450-PFS-ST

The **Model 400/450 Stainless Portable Floor Sentry** acts as an engineering safety control for a variety of food industry and medical applications that require the capture and filtration of airborne contaminants and fumes. Constructed of stainless steel, this fume extractor allows for use with sensitive applications that require food/medical grade equipment and offers additional durability for use with caustic chemicals. Also, the stainless steel chassis provides a smooth internal surface for easy cleaning and disinfecting ideal for meeting food industry requirements. This source capture fume extractor features quiet operation, a powerful fan, a flame-retardant self-supportive flex arm, and a variety of high-quality filtration media.

Typical applications for this unit include: *ingredient food labs, food production and processing, applications that use corrosive chemicals, pharmaceutical powder transfer, and a variety of medical applications involving 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 **Stainless Portable Floor Sentry** allows for 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, and simple and quick “no-tool” filter change. Optional accessories include a Magnehelic Gauge, digital hour counter, and quick change pre-filter.

A powder-coated steel model [SS-400/450-PFS] is also available and recommended for industrial applications.



Model 400/450 Stainless Steel Portable Floor Sentry



Model 400/450 Stainless Steel Portable Floor Sentry in a lab.

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, and hour counter
- 316 stainless steel chassis (medical and food grade)
- 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 (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	316 Stainless Steel
Weight	Approx. 51 - 112 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]
Patent #	5,843,197