

Model 450 High Flow Mounted Sentry Quad — Quadruple Arm Mounted Fume Extractor



Model # SS-450-MSQ

The **Model 450 Mounted Sentry Quad Fume Extractor** provides source-capture fume extraction for small or limited workspace environments. The flame-retardant, self-supportive flex arms can easily be moved closer to the source of the fumes or particulate. The base of this unit can be mounted in several configurations, including bench mounting, under-the-table mounting, and shelf or wall mounting. Four self-supporting flex arms and a powerful fan provide engineered airflow that can capture most of the airborne contaminants produced at four workstations simultaneously. Each flex arm has airflow volume that ranges from 237.5 cubic feet per minute (CFM) (at high speed) to 12.5 CFM (at low speed).

This source capture fume extractor has been used for operations such as *soldering, chemical fume extraction, laser fumes, solvent and epoxy fume control, powder and capsule filling, light grinding, and many other applications that involve the emission of particulate and fumes.*

The **Mounted Sentry Quad** has several filter options available depending on the application being performed. Standard options 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), **activated carbon**, and **specialty-blended filter media** [i.e. acid gas, mercury, aldehyde, and ammonia]. The **Mounted Sentry Quad** allows multiple filter media to be housed inside the filter chamber for applications that emit both particulates and fumes.

Energy-efficient and quiet operation make this fume extractor a great solution for many commercial, medical, laboratory and industrial applications. A smaller model [SS-400-MSQ], and a portable model [SS-450-FSQ] are also available.



Model 450 Mounted Sentry Quad



The Mounted Sentry frees up valuable benchtop space (Model 450 above & Model 200 below)

Product Features

- **Includes:** variable speed controller (115V only), ON/OFF toggle switch (220V only), mounting brackets, and (4) self-supportive flexible arms
- **Optional:** Magnehelic Gauge and single or dual arms
- Quiet, reliable, and low maintenance operation
- Low power consumption
- Long filter life
- Simple, quick “no tool” filter change



21221 FM 529 Rd, Cypress, TX 77433
1.800.799.4609 • sales@sentryair.com
www.sentryair.com

Fume & Particulate Removal

Product Specifications



Dimensions are approximate



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Base Unit Dimensions	Length: 22.5" (includes control box) Width: 22" (includes mounting brackets) Height: 19.75" (includes inlet)
Arm Dimensions	(4) 4" Diameter, 48" L fire-retardant flex arms (4) 5.5" diameter capture hoods
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	62 - 112 lbs
Air Volume (approximately)	High: up to 237.5 CFM (per arm) Low: down to 12.5 CFM (per arm)
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	Depending on the Application: 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]
Warranty	Limited two-year warranty from date of shipment on defects due to materials or workmanship. Limited six-month warranty on fan/motor assembly
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