

Model 450 Mounted Sentry with Outlet Plenum



Model # SS-450-MSP

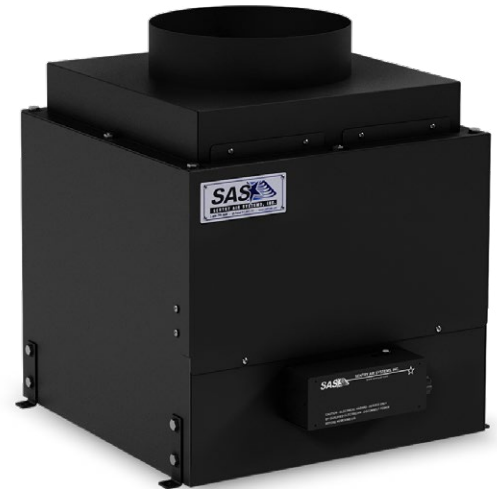
The **Model 450 Mounted Sentry with Outlet Plenum** primarily exhausts filtered air to a remote location but can also be utilized to create a positive-pressure environment. The 12" diameter exhaust collar allows filtered air to be exhausted outside, or into the facility's central exhaust system or ductwork. When combined with **HEPA** or **ULPA** filtration, this unit can be utilized to create positive-pressure to provide airflow with reduced particulate to the enclosure or create a compact clean room. Also, this system has the option of remaining ductless to recirculate filtered air back into the immediate area.

Typical fume control applications for this unit include *laser marking, printing fumes, soldering fumes, fume/vapor source capture, pharmaceutical powder control, chemical fume exhaust, enclosed machinery mounting, and many other applications that produce particulate, smoke, dust, and fumes.*

Positive-pressure applications include *hard drive restoration, computer and electronics repairs, sterile assembly, medical device manufacturing, cleaning optics and lasers, stem cell therapy, tissue culturing, and more applications that require a clean room environment.*

High-quality filter media for this unit depends on the application, but typically includes **HEPA** filters [up to 99.97% efficiency on particles 0.3 microns and larger], **ULPA** filters [up to 99.9995% efficiency on particles 0.12 microns and larger], **ASHRAE** filters [up to 95% efficiency on particles 0.5 microns and larger], **activated carbon**, and **specialty-blended filtration media** [i.e. acid gas, mercury, aldehyde, and ammonia]. The **Mounted Sentry with Outlet Plenum** allows multiple filter media to be housed inside the filter chamber for applications that emit both particulates and fumes.

The **Mounted Sentry** is available in three smaller models [SS-200-MSP, SS-300-MSP, & SS-400-MSP], and one model without the outlet plenum [SS-450-MS].



Model 450 Mounted Sentry
with Outlet Plenum

Product Features

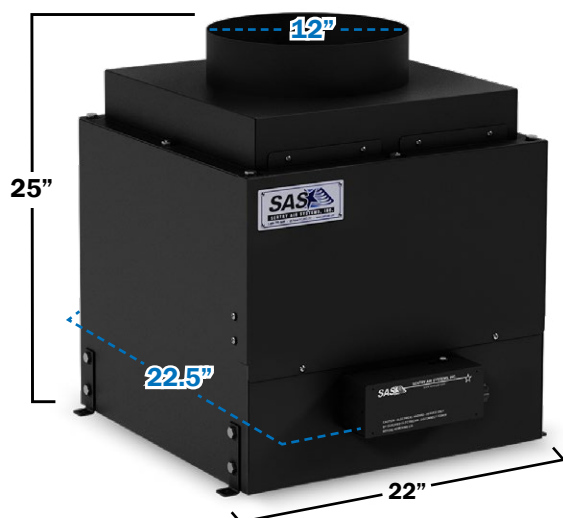
- **Includes:** Variable speed controller (115V only), ON/OFF toggle switch (220V only), mounting brackets, and 12" exhaust collar plenum
- **Optional:** Magnehelic Gauge
- Quiet, reliable, low maintenance operation
- Sturdy construction
- Simple, quick "no tool" filter change
- Long filter life
- Attractive appearance



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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: 25" (includes inlet & outlet collar)
Outlet Plenum Dimensions	12" diameter
Inlet Configuration	6" or 10" diameter
Cabinet Material	16 Ga. carbon steel
Weight (approximately)	62 - 112 lbs
Air Volume (approximately)	High: up to 950 CFM Low: down to 50 CFM
Electrical	115/1/60, 10.7 amps 220/1/50, 5.35 amps 8' grounded power cord with NEMA 5-15P plug
Sound Level (High at 3' from inlet)	Approx. 72 dba
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, 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
Patent #	5,843,197