

## Model 450 Mounted Sentry with Outlet Plenum

### Model # SS-450-MSP

#### Product Specifications

##### BASE UNIT DIMENSIONS

22.5" Length, Including Control Box  
22" Width, Including Mounting Brackets  
39.75" Height, Including Inlet and Outlet Configuration

##### OUTLET CONFIGURATIONS

9" Dia. Inlet

##### INLET CONFIGURATIONS

6" or 10" Dia. Inlet

##### CABINET MATERIAL

16 ga. Carbon Steel

##### WEIGHT

Approx. 60 lbs. - 100 lbs.  
Varies Depending on Filter Media Installed

##### AIR VOLUME

Variable Speed Control Standard on 115V  
950 CFM High, Down to 50 CFM Low  
On/Off Toggle Switch Standard on 220V

##### ELECTRICAL

115/1/60, 10.7 amps  
220/1/50, 5.35 amps  
8' grounded power cord with NEMA 5-15P Plug

##### SOUND LEVEL

Approx. 72 dba @ 3'

##### FILTRATION

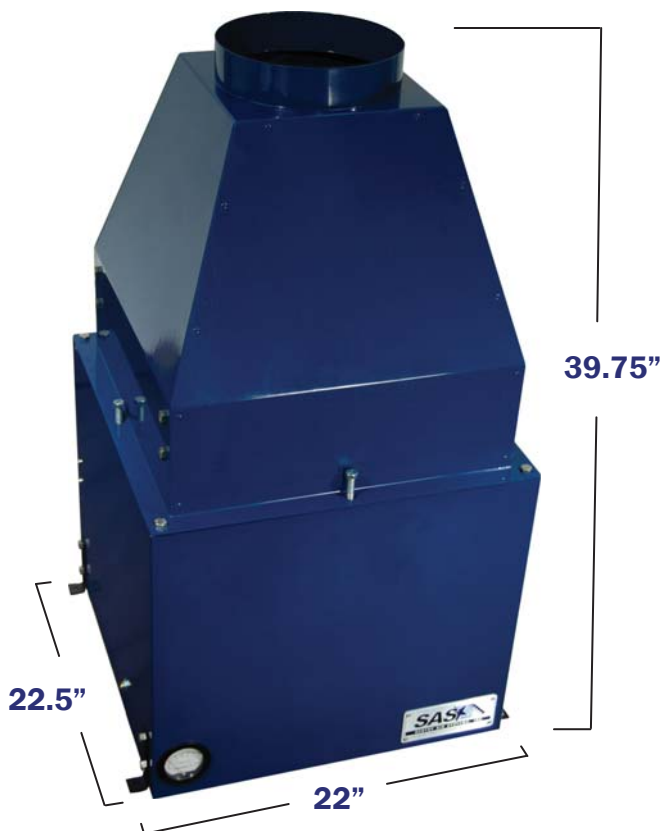
Depending on the Application:

- HEPA [up to 99.97% efficient on particles 0.3 microns and larger]
- ASHRAE [up to 95% efficient on particles 0.5 microns and larger]
- ACTIVATED CARBON
- SPECIALTY-BLENDED FILTER MEDIA [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]

##### WARRANTY

Limited six-month warranty from date of shipment for the fan/motor assembly. Limited two-year warranty from date of shipment on defects to parts/assembly due to materials or workmanship.

PATENT #5,843,197



Dimensions are Approximate  
Shown with Optional Accessories

#### Product Features

- Variable Speed Controller Included (115 V only)
- Mounting Brackets Included
- Sturdy Construction
- Reliable, Low Maintenance Operation
- Low Power Consumption
- Simple, Quick "No Tool" Filter Change
- Long Filter Life
- Optional Magnehelic Gage

The **Model 450 Mounted Sentry with Outlet Plenum** is primarily used to exhaust filtered air or create a positive pressure environment. When exhausting the air, a 9" diameter exhaust collar allows filtered air to be directed outside or into your central exhaust system or ducting. When this unit is combined with HEPA or ULPA filtration, it can also be utilized to create positive pressure where clean air flow is required on enclosures or compact clean rooms. This system also has the option of remaining ductless to recirculate filtered air back into the immediate area.

Typical applications for this unit include: Chemical and Solvent Fume Extraction, Laser Marking, Printing Fumes, Soldering Fumes, Particulate Extraction, Positive Pressure Airflow, Positive Pressure Clean Room, Sterile Assembly, Pharmaceutical Powder Control, Chemical Fume Exhaust, Enclosed Machinery Mounting, and many other applications that produce particulate, smoke, dust, and fumes.

High-quality filter media for this unit is customized depending on the application being performed, but typically includes HEPA filters [up to 99.97% efficient on particles 0.3 microns and larger], ULPA filters [up to 99.9995% efficient on particles 0.12 microns and larger], ASHRAE filters [up to 95% efficient on particles 0.5 microns and larger], Activated Carbon, and specialty-blended filtration media [i.e. Acid Gas, Mercury, Aldehyde, 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. It is also available in three smaller models [SS-200-MSP & SS-300-MSP & SS-400-MSP] and without the outlet plenum [SS-450-MS].



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