

# Sentry Air Systems, Inc. Ductless Spray Booth Series

*A Respiratory Safety Engineering Control: Ductless Benchtop Hooded Enclosures for the extraction and purification of aerosol spray paint fumes & particulate.*

## Features:

**Triple Stage Filtration:**  
Pre-Filter, HEPA Filter &  
Activated Carbon Filter.

Hoods are Available in a  
Variety of Standard Sizes.

Custom Options and  
Accessories Available.

**Recirculating Air Pattern:**  
Respiratory Safety without  
the Cost of External Ducting.  
Perfect for environments  
that cannot vent outside.

Made in the U.S.A.

## Typical Uses:

Production & Manufacturing

Electronics: Conformal  
Coating

Research & Prototyping

Graphic Design

Architectural Firms

Art Schools & Universities



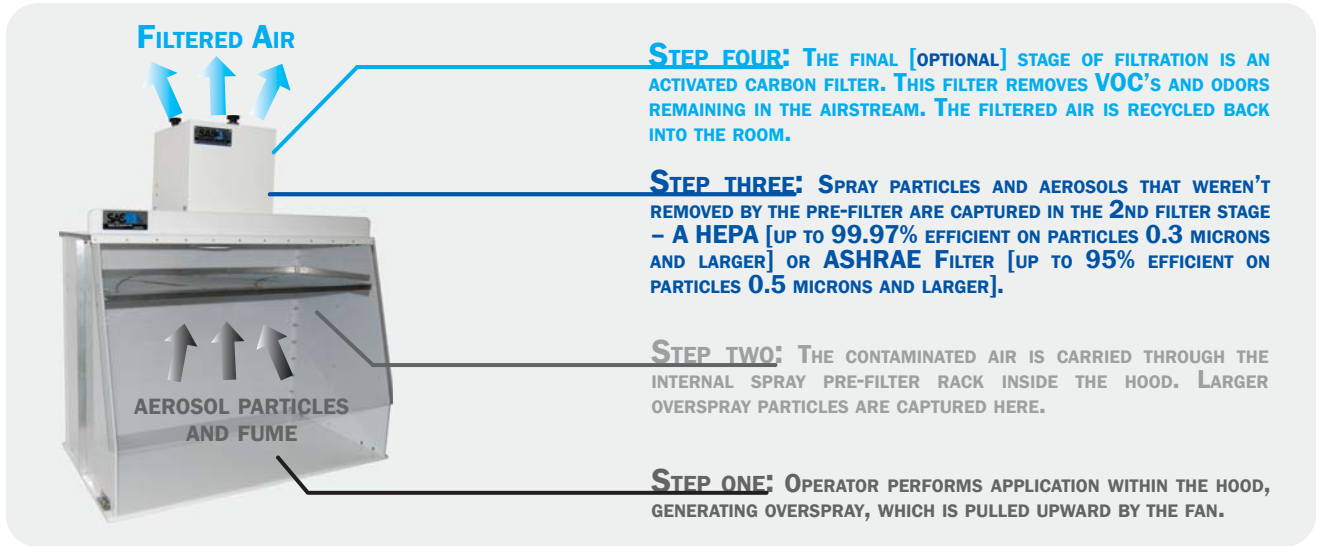
**SAS**   
SENTRY AIR SYSTEMS, INC.

## Ductless Spray Booth Series



Sentry Air Systems *Ductless Spray Booths* are built with stringent quality control measures and superior craftsmanship. If your application requires a benchtop hooded enclosure for aerosol spray control, Sentry Air Ductless Spray Hoods may be an excellent choice. These negative-pressure systems utilize powerful fans and high-quality pre-filters, HEPA filters, and Activated Carbon filters. This combination helps to protect the operator's respiratory zone and prevents unwanted spray particulate and odors from entering the general work area. Sentry Air Systems Portable Spray Booths are extremely energy efficient and do not require costly external ducting. They are an optimal fume control solution for environments that do not have to access to or are not permitted to exhaust aerosol particulate and fumes outdoors.

Typical portable spray hood uses may include light spray painting, conformal coating, aerosol sprays, epoxy overspray, and a variety of other processes that expel aerosol particles and fumes.



### Testimonials:

"I purchased my Sentry Air Systems spray hood to control the fumes and particulates when spray painting custom radio controlled aircraft canopies. I use heavy duty automotive paint and solvents and the hood significantly reduces the odors and air borne particles. It is quiet and efficient and my clients can watch me in action in my paint studio thanks to this great air filtration system!"

David Humphreys  
[30" Wide Ductless Spray Booth]

"It works exactly as advertised and has been a tremendous asset to our productivity. Assembly was simple with the CD and the fit and finish is very nice. When we needed to make a couple of modifications to meet our needs, the staff at Sentry was helpful and timely in making it happen. I highly recommend Sentry Air Systems and their products."

Keith Wicklund  
Hardcoat Incorporated  
[50" Wide Ductless Spray Booth]



## Ductless Spray Booths: Standard Sizes

Ductless Spray Hoods are available in a variety of standard sizes.

Sentry Air Systems engineers also design and manufacture Custom Hoods when requested.

Standard Sizes:

Model Numbers:

### 30" Wide

### Model # SS-330-DSH



#### DIMENSIONS

Outer Dimensions: 24" D x 32" W x 32" H  
Interior Dimensions.: 23.5" D x 30" W x 24" H

#### AIR VOLUME

50-350 CFM.  
*Varies with Filter Media.*

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- 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

### 40" Wide

### Model # SS-340-DSH



#### DIMENSIONS

Outer Dimensions: 24" D x 42" W x 32" H  
Interior Dimensions.: 23.5" D x 40" W x 24" H

#### AIR VOLUME

50-350 CFM.  
*Varies with Filter Media.*

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- 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

### 50" Wide

### Model # SS-350-DSH



#### DIMENSIONS

Outer Dimensions: 24" D x 52" W x 32" H  
Interior Dimensions.: 23.5" D x 50" W x 24" H

#### AIR VOLUME

50-350 CFM.  
*Varies with Filter Media.*

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- 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

### 60" Wide

### Model # SS-360-DSH



#### DIMENSIONS

Outer Dimensions: 24" D x 62" W x 32" H  
Interior Dimensions.: 23.5" D x 60" W x 24" H

#### AIR VOLUME

50-350 CFM.  
*Varies with Filter Media.*

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- 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

## Ductless Spray Booth - 30" Wide

### Model # SS-330-DSH

Meets OSHA Requirements: 1910.107(b)(5)(i)

### Product Specifications

#### HOOD DIMENSIONS

Outer Dimensions: 24" D x 32" W x 32" H  
 Interior Dimensions: 23.5" D x 30" W x 24" H

#### HOOD MATERIAL

Sides: 0.250" White Acrylic  
 Base: 0.500" White High Density Polyethylene  
 Top: 0.500" Clear Polycarbonate  
 Front: 0.250" Clear Polycarbonate

#### BLOWER DIMENSIONS

15.5" L x 13" W x 14.5" H, Including Control Box

#### BLOWER MATERIAL

16 ga. carbon steel with polyester epoxy coating on all surfaces

#### WEIGHT

Approx. 110 lbs.

#### APPROXIMATE AIR VOLUME

50-350 CFM. Varies with Filter Media.

#### APPROXIMATE INLET VELOCITIES

Pre-filter & 99.97% HEPA Filter-120 FPM High; 25 FPM Low  
 Pre-filter & Heavy-duty Carbon Filter-105 FPM High; 20 FPM Low

#### ELECTRICAL

115/1/60, Approx. 2 Amps  
 220/1/50, Approx. 0.75 Amps  
 8' grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL

61 to 66 dba [Blower Speed: Low to High]

#### MAX. OPERATING TEMPERATURE

Not to exceed 170 degrees Fahrenheit

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- 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

#### WARRANTY

Limited two-year warranty from date of shipment on defects due to materials or workmanship.  
 PATENT #5,843,197



Measurements are approximate.



### Product Features

- Clear Anti-Static Vinyl Curtains Included
- Variable Speed Controller Included
- Quiet Operation
- Simple, Quick "No Tool" Filter Change

- Portable and Lightweight
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 40", 50", 60"

- Optional Magnehelic Gage
- Optional Hour Counter
- Optional Velometer
- Optional Spill Tray

The **30" Wide Ductless Spray Booth** is a hooded enclosure specifically designed for the control of aerosol spray. This system is a negative-pressure benchtop enclosure that captures and filters aerosol particles produced by a variety of applications, including light spray painting, aerosol sprays, epoxy overspray, touch-up painting, conformal coating fumes, and a variety of other processes that release aerosol particulate and odor.

This benchtop hood utilizes a unique internal spray filter, HEPA filtration, and Activated Carbon filtration to contain hazardous particulate and unwanted odor. It is also ductless and does not require any external venting, which makes it an optimal solution for indoor environments where external venting is not practical or desired.

The 30" Wide Ductless Spray Booth features energy-efficiency and quiet and low maintenance operation. Customized Spray Booths are also available for customers with specific application requirements.



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## Ductless Spray Booth - 40" Wide

### Model # SS-340-DSH

Meets OSHA Requirements: 1910.107(b)(5)(i)

### Product Specifications

#### HOOD DIMENSIONS

Outer Dimensions: 24" D x 42" W x 32" H  
 Interior Dimensions: 23.5" D x 40" W x 24" H

#### HOOD MATERIAL

Sides: 0.250" White Acrylic  
 Base: 0.500" White High Density Polyethylene  
 Top: 0.500" Clear Polycarbonate  
 Front: 0.250" Clear Polycarbonate

#### BLOWER DIMENSIONS

15.5" L x 13" W x 14.5" H, Including Control Box

#### BLOWER MATERIAL

16 ga. carbon steel with polyester epoxy coating on all surfaces

#### WEIGHT

Approx. 125 lbs.

#### APPROXIMATE AIR VOLUME

50-350 CFM. Varies with Filter Media.

#### APPROXIMATE INLET VELOCITIES

Pre-filter & 99.97% HEPA Filter-120 FPM High; 25 FPM Low  
 Pre-filter & Heavy-duty Carbon Filter-105 FPM High; 20 FPM Low

#### ELECTRICAL

115/1/60, Approx. 2 Amps  
 220/1/50, Approx. 0.75 Amps  
 8' grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL

61 to 66 dba [Blower Speed: Low to High]

#### MAX. OPERATING TEMPERATURE

Not to exceed 170 degrees Fahrenheit

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- Depending on the Application:

- HEPA [up to 99.97% efficient on particles 0.3 microns and larger] OR
- ASHRAE [up to 95% efficient on particles 0.5 microns and larger]
- ACTIVATED CARBON

#### WARRANTY

Limited two-year warranty from date of shipment on defects due to materials or workmanship.  
 PATENT #5,843,197



Measurements are approximate.



30" Wide Ductless Spray Booth Pictured Above

### Product Features

- Clear Anti-Static Vinyl Curtains Included
- Variable Speed Controller Included
- Quiet Operation
- Simple, Quick "No Tool" Filter Change

- Portable and Lightweight
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 30", 50", 60"

- Optional Magnehelic Gage
- Optional Hour Counter
- Optional Velometer
- Optional Spill Tray

The **40" Wide Ductless Spray Booth** provides a negative-pressure hooded enclosure for the control of aerosol spray. These energy-efficient systems utilize powerful fans and a variety of high-quality filtration media to provide effective source-capture of airborne contaminants and fumes. A unique internal spray filter, HEPA filtration, and Activated Carbon media help to protect the operator's respiratory zone while also preventing unwanted spray particulate and odors from entering the general work area. The ductless and recirculating design of this benchtop hood eliminates the need for external ducting or costly replacement air.

Ductless Spray Hoods are typically used for light spray painting, aerosol sprays, epoxy overspray, touch-up painting, conformal coating fumes, and a variety of other processes that release aerosol particulate and odor.

In addition to our Standard Portable Spray Booths, we offer Custom Spray Booths built for those customers with specific application requirements.



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## Ductless Spray Booth - 50" Wide

### Model # SS-350-DSH

Meets OSHA Requirements: 1910.107(b)(5)(i)

### Product Specifications

#### HOOD DIMENSIONS

Outer Dimensions: 24" D x 52" W x 32" H  
 Interior Dimensions: 23.5" D x 50" W x 24" H

#### HOOD MATERIAL

Sides: 0.250" White Acrylic  
 Base: 0.500" White High Density Polyethylene  
 Top: 0.500" Clear Polycarbonate  
 Front: 0.250" Clear Polycarbonate

#### BLOWER DIMENSIONS

15.5" L x 13" W x 14.5" H, Including Control Box

#### BLOWER MATERIAL

16 ga. carbon steel with polyester epoxy coating on all surfaces

#### WEIGHT

Approx. 135 lbs.

#### APPROXIMATE AIR VOLUME

50-350 CFM. Varies with Filter Media.

#### APPROXIMATE INLET VELOCITIES

Pre-filter & 99.97% HEPA Filter-120 FPM High; 25 FPM Low  
 Pre-filter & Heavy-duty Carbon Filter-105 FPM High; 20 FPM Low

#### ELECTRICAL

115/1/60, Approx. 2 Amps  
 220/1/50, Approx. 0.75 Amps  
 8' grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL

61 to 66 dba [Blower Speed: Low to High]

#### MAX. OPERATING TEMPERATURE

Not to exceed 170 degrees Fahrenheit

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- Depending on the Application:

- HEPA [up to 99.97% efficient on particles 0.3 microns and larger] OR
- ASHRAE [up to 95% efficient on particles 0.5 microns and larger]
- ACTIVATED CARBON

#### WARRANTY

Limited two-year warranty from date of shipment on defects due to materials or workmanship.  
 PATENT #5,843,197



Measurements are approximate.



60" Wide Ductless Spray Booth Pictured Above

### Product Features

- Clear Anti-Static Vinyl Curtains Included
- Variable Speed Controller Included
- Quiet Operation
- Simple, Quick "No Tool" Filter Change

- Portable and Lightweight
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 30", 40", 60"

- Optional Magnehelic Gage
- Optional Hour Counter
- Optional Velometer
- Optional Spill Tray

The **50" Wide Ductless Spray Booth** helps to protect the operator's breathing zone and general working environment from hazardous aerosol spray. This system is a negative-pressure enclosure that utilizes a powerful fan and triple-stage filtration system. A unique internal spray filter, HEPA filter, and Activated Carbon are used in combination to remove airborne particulate and unwanted odors.

This system is ductless and does not require any external venting, which makes it an optimal solution for indoor environments where external venting is not practical or desired. Typical applications include light spray painting, aerosol sprays, epoxy overspray, touch-up painting, conformal coating fumes, and a variety of other processes that release aerosol particulate and odor.

The 50" Wide Ductless Spray Booth is a reliable, energy-efficient, and economical solution for applications that require the control and removal of aerosol spray and odors. In addition to our Standard Portable Spray Booths, we offer Custom Spray Booths for customers with specific application requirements.



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## Ductless Spray Booth - 60" Wide

### Model # SS-360-DSH

Meets OSHA Requirements: 1910.107(b)(5)(i)

### Product Specifications

#### HOOD DIMENSIONS

Outer Dimensions: 24" D x 62" W x 32" H  
 Interior Dimensions: 23.5" D x 60" W x 24" H

#### HOOD MATERIAL

Sides: 0.250" White Acrylic  
 Base: 0.500" White High Density Polyethylene  
 Top: 0.500" Clear Polycarbonate  
 Front: 0.250" Clear Polycarbonate

#### BLOWER DIMENSIONS

15.5" L x 13" W x 14.5" H, Including Control Box

#### BLOWER MATERIAL

16 ga. carbon steel with polyester epoxy coating on all surfaces

#### WEIGHT

Approx. 150 lbs.

#### APPROXIMATE AIR VOLUME

50-350 CFM. Varies with Filter Media.

#### APPROXIMATE INLET VELOCITIES

Pre-filter & 99.97% HEPA Filter-120 FPM High; 25 FPM Low  
 Pre-filter & Heavy-duty Carbon Filter-105 FPM High; 20 FPM Low

#### ELECTRICAL

115/1/60, Approx. 2 Amps  
 220/1/50, Approx. 0.75 Amps  
 8' grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL

61 to 66 dba [Blower Speed: Low to High]

#### MAX. OPERATING TEMPERATURE

Not to exceed 170 degrees Fahrenheit

#### FILTRATION

##### Pre-Filter:

- Internal Spray Pre-Filter

##### Main Filter- Depending on the Application:

- HEPA [up to 99.97% efficient on particles 0.3 microns and larger] OR
- ASHRAE [up to 95% efficient on particles 0.5 microns and larger]
- ACTIVATED CARBON

#### WARRANTY

Limited two-year warranty from date of shipment on defects due to materials or workmanship.  
 PATENT #5,843,197



### Product Features

- Clear Anti-Static Vinyl Curtains Included
- Variable Speed Controller Included
- Quiet Operation
- Simple, Quick "No Tool" Filter Change
- No External Venting Required
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 30", 40", 50"
- Optional Magnehelic Gage
- Optional Hour Counter
- Optional Velometer
- Optional Spill Tray

The **60" Wide Ductless Spray Booth** is a highly efficient engineering control for a variety of applications that emit hazardous overspray particulate and fumes. This system is designed to help protect the operator's respiratory zone during processes such as aerosol spraying, spray painting, touch-up painting, air brushing, epoxy overspray, conformal coating fumes, and a variety of other operations that produce unwanted or hazardous overspray.

This spacious 60" wide negative-pressure enclosure is equipped with a powerful fan and triple-stage filtration system consisting of a unique internal spray filter, HEPA Filter [up to 99.97% efficient on particles 0.3 microns and larger], and Activated Carbon Filter. This combination of filter media is capable of removing the fine respirable particles in addition to the chemical fumes found in the sprays.

Ductless spray hoods can be very useful for indoor operations where it is difficult or not possible to vent outside because of the building's structure or in an environment where external venting is prohibited by government or state regulations. The high-quality filtration media used in this system allows for a recirculating air pattern, so external ducting is not required. The 60" Ductless Spray Booth offers sturdy construction, energy-efficiency, and low maintenance operation. A transparent version and other custom options are available.



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