Ductless Fume Hoods, also known as Ductless Containment Hoods, are self-contained work stations that protect operators from specific harmful airborne contaminants that have been released in the work area. Ductless fume hoods incorporate a powerful fan, which pulls the air through the hood and away from the operator’s breathing zone while they work within the hood. Various filter media is used depending on the chemical vapors/and or particulates that are generated (such as HEPA filters or activated carbon). Because the air is scrubbed clean of contaminants by the filter media and then circulated back into the room, no exterior-ducting is necessary in combination with this unit.

Sentry Air Systems Ductless Fume Hoods are built with superior craftsmanship and under stringent quality control measures. These compact and efficient fume hoods feature unique hinged folding side panels, a high-density polyethylene base, a clear polycarbonate top, and a hinged sloping front lid. A powerful fan on top of the fume hood provides a negative airflow across the face of the hood and keeps hazardous fumes, particles, and chemical vapors away from the operator’s breathing zone. The fan also pulls the air through application-specific filter media.

There are a variety of filter combinations that can be used in a Sentry Air Systems Ductless Fume Hoods. HEPA filters are used in such applications as pharmaceutical compounding, soldering, chemical powder weighing, and work with silica and has an efficiency of 99.97% at 0.3 microns (efficiency is higher at other sizes). A 95% ASHRAE filter is used in similar applications, but its efficiency is slightly lower: approximately 95% at 0.5 microns.

Sentry Air also offers three types of pre-filters: the flame-resistant carbon pre-filter that is used in soldering and welding applications, a Merv 8 pre-filter that is used with particulate and to protect activated carbon filters in chemical applications, and a Merv 11 Pre-filter that is used for heavier loading applications, but rarely with ductless fume hood applications.

Finally, Sentry Air Systems offers a variety of activated carbon filters for different chemical vapors. Activated carbon will filter out most organic vapors at a high efficiency. Additionally, Sentry Air offers specialty filters: activated carbon filter media that have been impregnated with certain chemicals to neutralize specific chemical groups that are not absorbed very well by standard activated carbon filters. Acid gas filters remove inorganic acid gas vapors such as hydrochloric, sulfuric, nitric, perchloric, and phosphoric. Ammonia filters will remove both ammonia and many ammine-based compounds. There is a special filter for mercury removal and another for aldehydes, including formaldehyde and glutaraldehyde. Filter capacity of the activated carbon varies by chemical. For more information about the filter efficiency and capacity of the chemical you are using, please contact a Sentry Air Specialist. Application Specialists are also available to discuss your particular application and offer suggestions for the most appropriate Ductless Fume Hood and filter media for your purposes.

Sentry Air Systems Ductless Fume Hoods: Standard Sizes are:
12” 18” 24” 30” 40” 50” 60” 70”

Contact Us
1-800-799-4609
www.sentryair.com
sales@sentryair.com

MADE IN THE USA
Why Go Ductless?

There are numerous advantages to utilizing a Ductless Fume Hood as opposed to conventional fume hoods. Ductless hoods are “Green”, cost efficient, and much more mobile than traditional fume hoods.

**Ductless Hoods are Greener**

There are a few reasons ductless containment hoods are greener than their ducted counterparts. Ducted exhaust systems release the contaminated chemical vapors and hazardous fumes directly into the environment; whereas ductless hoods trap hazardous vapors and fumes in filters where they can be removed and disposed of properly. Additionally, ducted exhaust systems require a significant amount of make-up air while they are running which requires energy, especially in hot, cold, and humid environments where the air must be cooled, heated or dehumidified. Since ductless hoods recirculate the air within the room; no energy needs to be spent on heating or cooling make-up air.

**Cost Efficiency & Minimal Maintenance**

There are several reasons that Ductless Fume Hoods are an economical choice:

- **Zero Installation Costs.** Ductless fume hoods require minimal assembly or installation and may require none at all. The set-up is simple and the system is basically a “plug and play” solution. Ducted exhaust hoods contain additional costs for ducting and installation and may even require costly engineering design and consultation.

- **Low Maintenance Costs.** Practically the only up-keep cost requirement for ductless containment hoods is the replacement of saturated filter media. Beyond filter changing, all that is required is an occasional quick wipe down cleaning of the hood. These units are basically maintenance-free and don’t require outside assistance. Ducted exhaust systems can require much more maintenance. For example, ducting that is clogged, corroded or too dirty requires time-consuming cleaning of the system.

- **Energy efficiency.** As explained previously, ducted systems must supply the room with make-up air and therefore must spend a lot of money on heating or cooling that air. With Ductless Systems, air is recirculated back into the immediate room after treatment.

**Mobility**

Ductless Fume Hoods are highly convenient and portable; the hood can be easily relocated by simply picking up and moving it. They can be up and running seconds after re-location. In fact, some ductless fume hoods from Sentry Air Systems have been used as portable field instruments. Moving a ducted exhaust hood would require disconnecting the hood from the ducting system and the designing a new system at the new location as well as complete re-installation of ductwork, which may require the hiring of outside help to complete. Ductless Fume Hoods are up and running again in minutes.

Additionally, ductless fume hoods allow placement and flexibility in hard to duct areas such as the center or bottom level of a several story building.

**When Exhaust Hoods are Necessary**

There are instances when Exhaust Hoods are a more appropriate choice for fume extraction. Ask your Sales Representative for information on Sentry Air’s high-quality line of Exhaust Hoods.

Contact Us
1-800-799-4609
www.sentryair.com
sales@sentryair.com
Ductless Fume Hoods are available in a variety of Standard Sizes. Sentry Air Systems engineers also design and manufacture Custom Hoods when requested.

### Standard Sizes:

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#### Model SS-218-DCH
- **Dimensions:**
  - Outer Dimensions: 18.5” D x 20” W x 19” H
  - Interior Dimensions: 18” D x 18” W x 18” H
- **Filtration:**
  - 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]
- **Air Volume:**
  - 48-100 CFM.
  - Varies with Filter Media.

#### Model SS-224-DCH
- **Dimensions:**
  - Outer Dimensions: 24” D x 26” W x 25” H
  - Interior Dimensions: 23.5” D x 24” W x 24” H
- **Filtration:**
  - 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]
- **Air Volume:**
  - 48-100 CFM.
  - Varies with Filter Media.

#### Model SS-324-DCH
- **Dimensions:**
  - Outer Dimensions: 24” D x 26” W x 25” H
  - Interior Dimensions: 23.5” D x 24” W x 24” H
- **Filtration:**
  - 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]
- **Air Volume:**
  - 169-480 CFM.
  - Varies with Filter Media.

#### Model SS-330-DCH
- **Dimensions:**
  - Outer Dimensions: 24” D x 32” W x 25” H
  - Interior Dimensions: 23.5” D x 30” W x 24” H
- **Filtration:**
  - 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]
- **Air Volume:**
  - 169-480 CFM.
  - Varies with Filter Media.
# Ductless Fume Hoods: Standard Sizes

Ductless Fume Hoods are available in a variety of Standard Sizes. Sentry Air Systems engineers also design and manufacture Custom Hoods when requested.

<table>
<thead>
<tr>
<th>Standard Sizes:</th>
<th>Model Numbers:</th>
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### 40” Wide: Model SS-340-DCH

**DIMENSIONS**
- Outer Dimensions: 24” D x 42” W x 25” H
- Interior Dimensions: 23.5” D x 40” W x 24” H

**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]

**AIR VOLUME**
- 169-480 CFM.
- Varies with Filter Media.

### 50” Wide: Model SS-350-DCH

**DIMENSIONS**
- Outer Dimensions: 24” D x 52” W x 25” H
- Interior Dimensions: 23.5” D x 50” W x 24” H

**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]

**AIR VOLUME**
- 169-480 CFM.
- Varies with Filter Media.

### 60” Wide: Model SS-360-DCH

**DIMENSIONS**
- Outer Dimensions: 24” D x 62” W x 25” H
- Interior Dimensions: 23.5” D x 60” W x 24” H

**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]

**AIR VOLUME**
- 169-480 CFM.
- Varies with Filter Media.

### 70” Wide: Model SS-370-DCH

**DIMENSIONS**
- Outer Dimensions: 24” D x 72” W x 25” H
- Interior Dimensions: 23.5” D x 70” W x 24” H

**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]

**AIR VOLUME**
- 169-480 CFM.
- Varies with Filter Media.

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1.800.799.4609 www.sentryair.com sales@sentryair.com
# Ductless Fume Hood - 18” Wide

## Model # SS-218-DCH

### Product Specifications

#### HOOD DIMENSIONS
- Outer Dimensions: 18.5” D x 20” W x 19” H
- Interior Dimensions: 18” D x 18” W x 18” 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
- 10.5” L x 8” W x 8.5” H

#### BLOWER MATERIAL
- 16 ga. carbon steel w/ polyester epoxy coating on all surfaces

#### WEIGHT
- Approx. 35 lbs.

#### APPROXIMATE AIR VOLUME
- 48-100 CFM. Varies with Filter Media.

#### APPROXIMATE INLET VELOCITIES
- 100 FPM. Varies with Curtains & Filter Media.

#### ELECTRICAL
- 115/1/60, Approx. 0.3 Amps
- 220/1/50, Approx. 0.2 Amps
- 8’ grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL
- 55 DBA at 3’

#### MAX. OPERATING TEMPERATURE
- Not to exceed 170 degrees Fahrenheit

#### 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 two-year warranty from date of shipment on defects due to materials or workmanship.

**PATENT #5,843,197**

**MADE IN THE USA**

#### BLOWER DIMENSIONS
- 10.5” L x 8” W x 8.5” H

#### BLOWER MATERIAL
- 16 ga. carbon steel w/ polyester epoxy coating on all surfaces

#### APPROXIMATE INLET VELOCITIES
- 100 FPM. Varies with Curtains & Filter Media.

#### ELECTRICAL
- 115/1/60, Approx. 0.3 Amps
- 220/1/50, Approx. 0.2 Amps
- 8’ grounded power cord with NEMA 5-15P Plug

#### SOUND LEVEL
- 55 DBA at 3’

#### MAX. OPERATING TEMPERATURE
- Not to exceed 170 degrees Fahrenheit

#### 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 two-year warranty from date of shipment on defects due to materials or workmanship.

**PATENT #5,843,197**

**MADE IN THE USA**

### Product Features

- Clear Anti-Static Vinyl Curtains Included
- Highly Portable and Lightweight
- Quiet Operation
- Long Filter Life
- Simple, Quick “No Tool” Filter Change
- Sturdy Construction
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 12”, 24”, 30”, 40”, 50”, 60”, 70”
- Attractive Appearance
- Optional Variable Speed Controller
- Optional Fluorescent Light
- Optional Hour Counter
- Optional Spill Tray

This 18” Wide Mini Ductless Fume Hood is one of the most compact negative-pressure hoods on the market. It is designed to protect the operator and environment from hazardous fumes or particulate generated from applications performed within the hood. Its small structure makes it an ideal solution and addition to a lab or room that has limited space or requires only a small containment area. This light-weight hood is also optimal for field-testing applications that require reliable and easily transportable equipment. Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, dust removal, biological applications, and many more applications that require the removal of fumes and dust.

The 18” Wide Mini Ductless Fume Hood uses an energy-efficient fan to pull fumes and particulate from the hood into the filter chamber, which is composed of a variety of filter media that is selected depending on the application being performed. This filter media includes 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, and specialty-blended filtration (i.e. Acid Gas, Mercury, Aldehyde, Ammonia).

The 18” Wide Mini Ductless Fume Hood can provide an effective and economical solution for many commercial, medical, laboratory and industrial applications that require a relatively small containment area. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 24” Wide

Model # SS-224-DCH

Product Specifications

HOOD DIMENSIONS
Outer Dimensions: 24” D x 26” W x 25” H
Interior Dimensions: 23.5” D x 24” 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
10.5” L x 8” W x 8.5” H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

WEIGHT
Approx. 55 lbs.

APPROXIMATE AIR VOLUME
48-100 CFM. Varies with Filter Media.

APPROXIMATE INLET VELOCITIES
100 FPM. Varies with Curtains & Filter Media.

ELECTRICAL
115/1/60, Approx. 0.3 Amps
220/1/50, Approx. 0.2 Amps
8’ grounded power cord with NEMA 5-15P Plug

SOUND LEVEL
56 DBA at 3’

MAX. OPERATING TEMPERATURE
Not to exceed 170 degrees Fahrenheit

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

The 24” Wide Ductless Fume Hood is designed to protect the operator and environment from hazardous fumes or particulate generated from applications performed within the hood. Its small structure makes it an ideal solution and addition to a lab or room that has limited space or requires only a small containment area. Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, and many more applications that require the removal of fumes and dust.

The 24” Wide Ductless Fume Hood uses an energy-efficient fan that pulls fumes and particulate from the hood into the filter chamber, which is composed of a variety of filter media that is selected depending on the application being performed. This filter media includes 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, and specialty-blended filtration [i.e. Acid Gas, Mercury, Aldehyde, Ammonia].

The 24” Wide Ductless Fume Hood can provide an effective and economical solution for many commercial, medical, laboratory and industrial applications that require a relatively small containment area. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 24” Wide

Model # SS-324-DCH

Product Specifications

HOOD DIMENSIONS
Outer Dimensions: 24" D x 26" W x 25" H
Interior Dimensions: 23.5" D x 24" 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
18.5” L x 13” W x 14.5” H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

WEIGHT
Approx. 95 lbs.

APPROXIMATE AIR VOLUME
169-480 CFM. Varies with Filter Media.

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
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 two-year warranty from date of shipment on defects due to materials or workmanship.

PATENT #5,843,197

BLOWER DIMENSIONS
15.5" L x 13" W x 14.5" H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
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 two-year warranty from date of shipment on defects due to materials or workmanship.

PATENT #5,843,197

The 24” Wide [High Flow] Ductless Fume Hood is designed to protect the operator and environment from hazardous fumes or particulate generated from applications performed within the hood. Its small structure makes it an ideal solution and addition to a lab or room that has limited space or requires only a small containment area. Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, and many more applications that require the removal of fumes and dust.

The 24” Wide Ductless Fume Hood uses a powerful fan that directs fumes and particulate from the hood into the filter chamber, which is composed of a variety of filter media that is selected depending on the application being performed. This filter media includes 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, and specialty-blended filtration [i.e. Acid Gas, Mercury, Aldehyde, Ammonia].

The 24” Wide Ductless Fume Hood can provide an effective and economical solution for many commercial, medical, laboratory and industrial applications that require a relatively small containment area. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 30” Wide

Model # SS-330-DCH

Product Specifications

HOOD DIMENSIONS
Outer Dimensions: 24” D x 32” W x 25” 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

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

WEIGHT
Approx. 100 lbs.

APPROXIMATE AIR VOLUME
169-480 CFM. Varies with Filter Media.

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
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 two-year warranty from date of shipment on defects due to materials or workmanship.

PATENT #5,843,197

BLOWER DIMENSIONS
15.5” L x 13” W x 14.5” H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
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 two-year warranty from date of shipment on defects due to materials or workmanship.

PATENT #5,843,197

Product Features

■ Variable Speed Controller Included
■ Fluorescent Light Included
■ Velometer Included
■ Quiet Operation
■ Long Filter Life
■ Simple, Quick “No Tool” Filter Change
■ Reliable, Low Maintenance Operation
■ Custom Sizes Available
■ Other Standard Sizes: 12”, 18”, 24”, 40”, 50”, 60”, 70”
■ Attractive Appearance
■ Optional Magnehelic Gage
■ Optional Clear Anti-Static Vinyl Curtains
■ Optional Hour Counter
■ Optional Spill Tray

The 30” Wide Ductless Fume Hood combines powerful air flow with a sturdy and compact enclosure for optimal respiratory and environmental protection. This fume hood is designed to pull harmful particulate up and away from the operator’s breathing zone and into the filter chamber. Depending on the application, this chamber houses either HEPA filtration [up to 99.97% efficient on particles 0.3 microns and larger] and made with flame-retardant materials], ASHRAE filtration [up to 95% efficient on particles 0.5 microns and larger and made with flame-retardant materials] Activated Carbon, or specialty-blended filter media [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]. Variable Speed Control and a Fluorescent Light come standard with this unit.

Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, solvent or epoxy use, and many more applications that require the removal of fumes and particulate.

The 30” Wide Ductless Fume Hood provides a portable, energy efficient, and economical solution for many commercial, medical, laboratory and industrial applications that require a containment hood. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 40” Wide

Model # SS-340-DCH

Product Specifications

**HOOD DIMENSIONS**
- Outer Dimensions: 24” D x 42” W x 25” 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

**BLOWER MATERIAL**
- 16 ga. carbon steel w/ polyester epoxy coating on all surfaces

**WEIGHT**
- Approx. 115 lbs.

**APPROXIMATE AIR VOLUME**
- 169-480 CFM. Varies with Filter Media.

**APPROXIMATE INLET VELOCITIES**
- 20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.

**ELECTRICAL**
- 115/1/60, 2 amps
- 220/1/50, 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**
- 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 two-year warranty from date of shipment on defects due to materials or workmanship.

**Product Features**

- Variable Speed Controller Included
- Fluorescent Light Included
- Velometer Included
- Quiet Operation
- Long Filter Life
- Simple, Quick “No Tool” Filter Change
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 12”, 18”, 24”, 30”, 50”, 60”, 70”
- Attractive Appearance
- Optional Magnehelic Gage
- Optional Clear Anti-Static Vinyl Curtains
- Optional Hour Counter
- Optional Spill Tray

The 40” Wide Ductless Fume Hood combines powerful air flow with a sturdy and compact enclosure for optimal respiratory and environmental protection. This fume hood is designed to pull harmful particulate up and away from the operator’s breathing zone and into the filter chamber. Depending on the application, this chamber houses either HEPA filtration [up to 99.97% efficient on particles 0.3 microns and larger and made with flame-retardant materials], ASHRAE filtration [up to 95% efficient on particles 0.5 microns and larger and made with flame-retardant materials] Activated Carbon, or specialty-blended filter media [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]. Variable Speed Control and a Fluorescent Light come standard with this unit.

Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, solvent or epoxy use, and many more applications that require the removal of fumes and particulate.

The 40” Wide Ductless Fume Hood provides a portable, energy efficient, and economical solution for many commercial, medical, laboratory and industrial applications that require a containment hood. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 50” Wide

Model # SS-350-DCH

Product Specifications

<table>
<thead>
<tr>
<th>HOOD DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer Dimensions: 24” D x 52” W x 25” H</td>
</tr>
<tr>
<td>Interior Dimensions: 23.5” D x 50” W x 24” H</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HOOD MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sides: 0.250” White Acrylic</td>
</tr>
<tr>
<td>Base: 0.500” White High Density Polyethylene</td>
</tr>
<tr>
<td>Top: 0.500” Clear Polycarbonate</td>
</tr>
<tr>
<td>Front: 0.250” Clear Polycarbonate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BLOWER DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.5” L x 13” W x 14.5” H</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BLOWER MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 ga. carbon steel w/ polyester epoxy coating on all surfaces</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPROXIMATE AIR VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>169-480 CFM. Varies with Filter Media.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPROXIMATE INLET VELOCITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/1/60, 2 amps</td>
</tr>
<tr>
<td>220/1/50, 0.75 amps</td>
</tr>
<tr>
<td>8’ grounded power cord with NEMA 5-15P Plug</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. 125 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOUND LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>61 to 66 dba (Blower Speed: Low to High)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX. OPERATING TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not to exceed 170 degrees Fahrenheit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FILTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depending on the Application:</td>
</tr>
<tr>
<td>• HEPA (up to 99.97% efficient on particles 0.3 microns and larger)</td>
</tr>
<tr>
<td>• ASHRAE (up to 95% efficient on particles 0.5 microns and larger)</td>
</tr>
<tr>
<td>• ACTIVATED CARBON</td>
</tr>
<tr>
<td>• SPECIALTY-BLENDED FILTER MEDIA [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited two-year warranty from date of shipment on defects due to materials or workmanship.</td>
</tr>
</tbody>
</table>

**Product Features**

- Variable Speed Controller Included
- Fluorescent Light Included
- Velometer Included
- Quiet Operation
- Long Filter Life
- Simple, Quick “No Tool” Filter Change
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 12”, 18”, 24”, 30”, 40”, 60”, 70”
- Attractive Appearance
- Optional Magnehelic Gage
- Optional Clear Anti-Static Vinyl Curtains
- Optional Hour Counter
- Optional Spill Tray

The 50” Wide Ductless Fume Hood combines powerful air flow with a sturdy and compact enclosure for optimal respiratory and environmental protection. This fume hood is designed to pull harmful particulate up and away from the operator’s breathing zone and into the filter chamber. Depending on the application, this chamber houses either HEPA filtration [up to 99.97% efficient on particles 0.3 microns and larger and made with flame-retardant materials], ASHRAE filtration [up to 95% efficient on particles 0.5 microns and larger and made with flame-retardant materials], Activated Carbon, or specialty-blended filter media [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]. Variable Speed Control and a Fluorescent Light come standard with this unit.

Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, solvent or epoxy use, and many more applications that require the removal of fumes and particulate.

The 50” Ductless Fume Hood provides a portable, energy efficient, and economical solution for many commercial, medical, laboratory and industrial applications that require a containment hood. For additional visibility, a transparent version is available at extra cost.
Ductless Fume Hood- 60” Wide

Model # SS-360-DCH

Product Specifications

HOOD DIMENSIONS
Outer Dimensions: 24" D x 62" W x 25" 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
19.5” L x 13” W x 14.5” H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

WEIGHT
Approx. 140 lbs.

APPROXIMATE AIR VOLUME
169-480 CFM. Varies with Filter Media.

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
Depending on the Application:
- HEPA [up to 99.97% efficient on particles 0.3 microns and larger and made with flame-retardant materials]
- ASHRAE [up to 95% efficient on particles 0.5 microns and larger]
- ACTIVATED CARBON
- SPECIALLY-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.

PATENT #5,843,197

The 60” Wide Ductless Fume Hood combines powerful air flow with a sturdy and compact enclosure for optimal respiratory and environmental protection. This fume hood is designed to pull harmful particulate up and away from the operator’s breathing zone and into the filter chamber. Depending on the application, this chamber houses either HEPA filtration [up to 99.97% efficient on particles 0.3 microns and larger and made with flame retardant materials], ASHRAE filtration [up to 95% efficient on particles 0.5 microns and larger and made with flame retardant materials] Activated Carbon, or specialty blended filter media [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]. Variable Speed Control and a Fluorescent Light come standard with this unit.

Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, solvent or epoxy use, and many more applications that require the removal of fumes and particulate.

The 60” Wide Ductless Fume Hood provides a portable, energy efficient, and economical solution for many commercial, medical, laboratory and industrial applications that require a containment hood. For additional visibility, a transparent version is available at extra cost.
Fume & Particulate Removal

Model # SS-370-DCH

Product Specifications

HOOD DIMENSIONS
Outer Dimensions: 24" D x 72" W x 25" H
Interior Dimensions: 23.5" D x 70" 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
19.5" L x 13" W x 14.5" H

BLOWER MATERIAL
16 ga. carbon steel w/ polyester epoxy coating on all surfaces

WEIGHT
Approx. 155 lbs.

APPROXIMATE AIR VOLUME
169-480 CFM. Varies with Filter Media.

APPROXIMATE INLET VELOCITIES
20 FPM - 200 FPM with Variable Speed Controller. Also Varies with Curtains and Filter Media.

ELECTRICAL
115/1/60, 2 amps
220/1/50, 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
Depending on the Application:
● HEPA [up to 99.97% efficient on particles 0.3 microns and larger and made with flame-retardant materials]
● ASHRAE [up to 95% efficient on particles 0.5 microns and larger and made with flame-retardant materials]
● 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.

PATENT #5,843,197

Product Features

- Variable Speed Controller Included
- Clear Anti-Static Vinyl Curtains Included
- Fluorescent Light Included
- Velometer Included
- Quiet Operation
- Long Filter Life
- Simple, Quick "No Tool" Filter Change
- Reliable, Low Maintenance Operation
- Custom Sizes Available
- Other Standard Sizes: 12", 18", 24", 30", 40", 50", 60"
- Optional Magnehelic Gage
- Optional Hour Counter
- Optional Spill Tray

The 70” Wide Ductless Fume Hood combines powerful air flow with a sturdy and compact enclosure for optimal respiratory and environmental protection. This fume hood is designed to pull harmful particulate up and away from the operator’s breathing zone and into the filter chamber. Depending on the application, this chamber houses either HEPA filtration [up to 99.97% efficient on particles 0.3 microns and larger and made with flame-retardant materials], ASHRAE filtration [up to 95% efficient on particles 0.5 microns and larger and made with flame-retardant materials] Activated Carbon, or specialty-blended filter media [i.e. Acid Gas, Mercury, Aldehyde, Ammonia]. Variable Speed Control and a Fluorescent Light come standard with this unit.

Typical uses for this fume hood include chemical fume control, pharmaceutical compounding containment, soldering applications, light dust removal, biological applications, solvent or epoxy use, and many more applications that require the removal of fumes and particulate.

The 70” Wide Ductless Fume Hood provides a portable, energy efficient, and economical solution for many commercial, medical, laboratory and industrial applications that require a containment hood. For additional visibility, a transparent version is available at extra cost.