

DOWNDRAFT BENCH SERIES

Sentry Air Systems' line of Downdraft Benches offers users flexibility, modularity, and durability for the capture and filtration of harmful particles and fume.



SERIES INCLUDES

- INDUSTRIAL DOWNDRAFT BENCH [SS-440-DDB]
- PORTABLE DOWNDRAFT BENCH - SIT [SS-435-DDB-SIT]
- PORTABLE DOWNDRAFT BENCH - STAND [SS-435-DDB-STAND]

800.799.4609 | www.sentryair.com | sales@sentryair.com

©2015 SENTRY AIR SYSTEMS, INC. HOUSTON, TX. ALL RIGHTS RESERVED.



Industrial Downdraft Bench



Industrial Downdraft Bench

[SS-440-DDB]

Table Dimensions: 48" W x 30" D x 35" H

Perforated Work Area: 40" W x 22" D

Model 400 Accessories:

- Quick Change Pre-Filter
- Hour Counter
- Magnehelic Gauge

Custom sizes available, please contact Sentry Air Systems for more information.

The **Model 440 Industrial Downdraft Bench** is an effective source-capture solution for the extraction of fume, dust, and smoke at the work surface level. This safety engineering control helps to protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants.

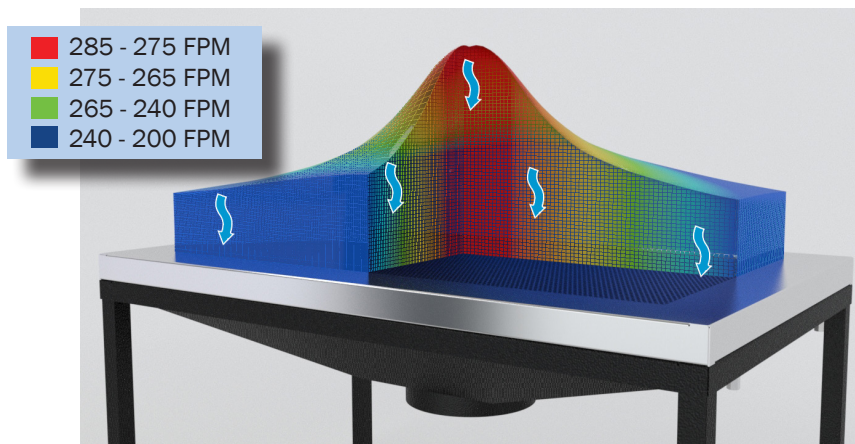
Our HEPA filter media is up to 99.97% efficient on particles 0.3 microns and larger and the Sentry Air Model 400 air cleaner provides up to 700 CFM of air volume. Additional filter options include ASHRAE filtration, heavy-duty activated carbon, and specialty-blended filter media. These negative-pressure systems are designed to eliminate costly exhaust systems, reduce energy losses, and aid in employee protection by capturing pollutants at the source of emission.



Typical applications include: solvent vapor control, solder fumes, light grinding, epoxy fume control, sanding, buffing, brazing, powder control, and a variety of other industrial applications.

Velocity Testing

Air velocity readings were taken at multiple points along the work surface on the HIGH setting. Their averages are depicted in the graphic below.



Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.

Portable Downdraft Bench - Sit/Stand

The **Model 435 Portable Downdraft Bench** is an effective source-capture solution for the extraction of fume, dust, and smoke at the work surface level. This safety engineering control helps protect the operators' breathing zone and surrounding environment from hazardous airborne contaminants. These units are designed for easy portability and flexibility within the work environment. Lockable casters make the unit easy to roll across a room and the no tool filter change design allows quick and easy filter replacement.

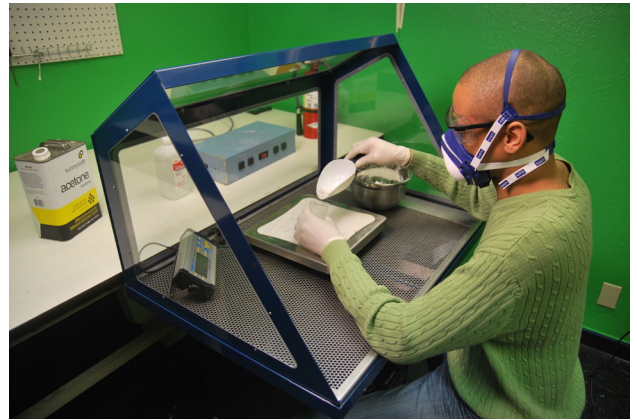
The powerful Sentry Air Model 400 air cleaner provides up to 700 CFM of air volume to pull harmful fume down into the filter chamber. Our standard HEPA filter media is 99.97% efficient at capturing particles down to 0.3 microns in size. These negative-pressure systems are designed to eliminate costly exhaust systems, reduce energy losses, and aid in employee protection by capturing pollutants at the source of emission.

Typical applications include: solvent vapor control, solder fumes, light grinding, epoxy fume control, sanding, buffing, brazing, powder control, maintenance welding, and a variety of other industrial applications.

Available in either a sitting or standing configuration with a clear or solid doghouse.



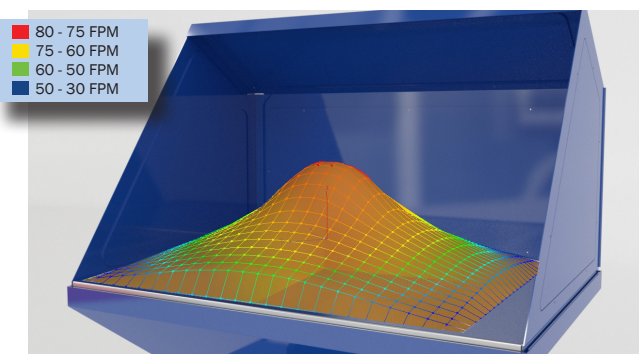
Welding shown on standing version w/ solid doghouse.



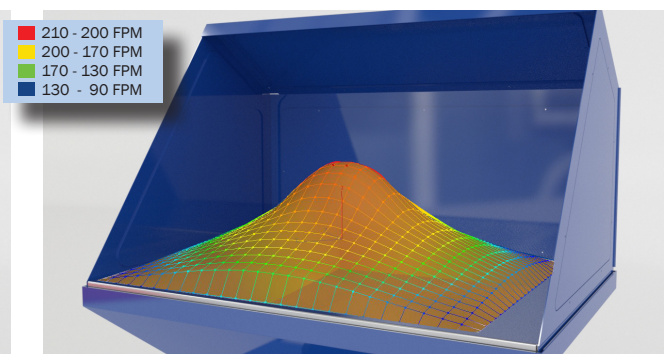
Powder transfer shown on sitting version w/ clear doghouse.

Velocity Testing

Air velocity readings were taken at multiple points along the work surface on both LOW and HIGH settings. Their averages are depicted in the graphics below.



LOW Setting



HIGH Setting

Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.

Portable Downdraft Bench - Sit/Stand



Portable Downdraft Bench - Sit [SS-435-DDB-SIT]

Work Surface Dimensions: 34.5" W x 25" D
Total Unit Dimensions: 35" W x 25.5" D x 51.5" H
Accessories:

- Quick Change Pre-Filter
- Hour Counter
- Magnehelic Gauge



Portable Downdraft Bench - Stand [SS-435-DDB-STAND]

Work Surface Dimensions: 34.5" W x 25" D
Total Unit Dimensions: 35" W x 25.5" D x 56.5" H
Accessories:

- Quick Change Pre-Filter
- Hour Counter
- Magnehelic Gauge
- Portable Storage Trays



Epoxy gluing shown on sitting version w/ clear doghouse.



Parts cleaning shown on standing version w/ solid doghouse.

Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.

Model 440 Industrial Downdraft Bench

Model # SS-440-DDB

Product Specifications

TABLE DIMENSIONS

48" W x 30" D x 35" H

Request specifications for additional size

PERFORATED WORK AREA

Stainless Steel 1/4" Perforated Work Area

40" W x 22" D x 16g, 51% open space

TABLE MATERIAL

304 Stainless Steel Surface, Chrome-plat

PLENUM BOX OUTLET OPTIONS

10" Diameter Round Outlet

BLOWER CABINET DIMENSIONS

20" W x 22.5" D x 19.5" H, *Including Con*

BLOWER CABINET MATERIAL

16 ga. Carbon Steel

WEIGHT

Approx. 150 lbs.

Varies Depending on Filter Media Install

AIR VOLUME

Variable Speed Control Standard on 115V

700 CFM High, Down to 50 CFM Low

On/Off Toggle Switch Standard on 220V

ELECTRICAL

115/1/60, 2.5 amps

220/1/50, 1.5 amps

8' grounded power cord with NEMA 5-15P Plug

SOUND LEVEL

Approx. 60 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]

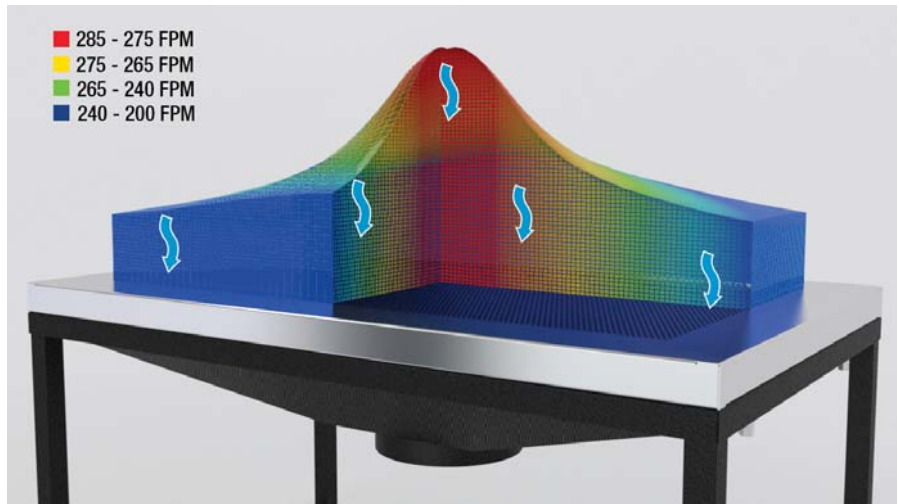
WARRANTY

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

PATENT #5,843,197



Dimensions are Approximate



Product Features

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

The **Model 440 Industrial Downdraft Bench** is an effective source-capture solution for the extraction of fume, dust, and smoke at the work surface level. This safety engineering control helps to protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants. Sentry Air Systems offers both standard and custom stainless steel downdraft benches that are equipped with a powerful industrial air cleaner and high-quality HEPA filtration media. This filter media is up to 99.97% efficient on particles 0.3 microns and larger and the air cleaner provides up to 700 CFM of air volume [950 CFM is available as an upgrade]. ASHRAE filtration, heavy-duty activated carbon, and specialty-blended filter media are also utilized in certain applications. These negative-pressure systems are designed to eliminate costly exhaust systems, reduce energy losses, and aid in employee protection by capturing pollutants at the source of emission. Typical applications include: solvent vapor control, solder fumes, light grinding, epoxy fume control, sanding, buffing, brazing, powder control, and a variety of other industrial applications. Custom design options and modifications can be discussed with a Sentry Air Applications Specialist.

Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.



1.800.799.4609
www.sentryair.com
sales@sentryair.com



Model 435 Portable Downdraft Bench - Sit

Model # SS-435-DDB-SIT

Product Specifications

TABLE DIMENSIONS

34.5" W x 25" D

Request specifications for additional size options

PERFORATED WORK AREA

Stainless Steel with 1/4" holes

30" W x 23.5" D

BLOWER CABINET DIMENSIONS

20" W x 22.5" D x 19.5" H, *Including Control Box*

BLOWER CABINET MATERIAL

16 ga. Carbon Steel

WEIGHT

Approx. 150 lbs.

Varies Depending on Filter Media Installed

AIR VOLUME

Variable Speed Control Standard on 115V

700 CFM High, Down to 50 CFM Low

On/Off Toggle Switch Standard on 220V

ELECTRICAL

115/1/60, 2.5 amps

220/1/50, 1.5 amps

8' grounded power cord with NEMA 5-15P Plug

SOUND LEVEL

Approx. 60 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]

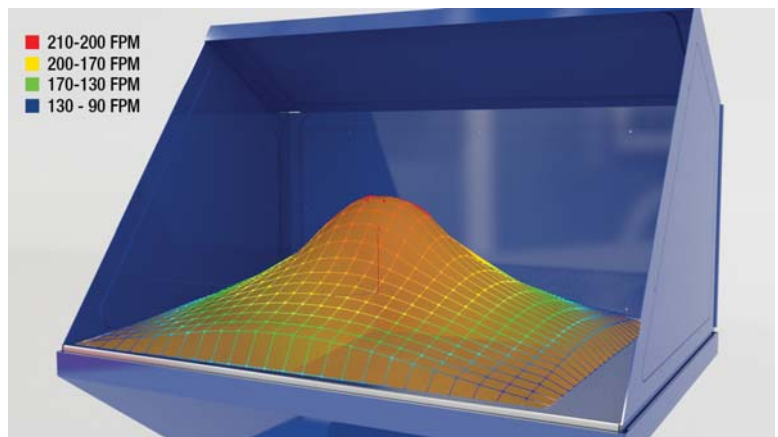
WARRANTY

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

PATENT #5,843,197



Dimensions are Approximate



Product Features

- Variable Speed Controller Included (115V only)
- Low Power Consumption
- Optional Hour Counter
- Sturdy Construction
- Simple, Quick "No Tool" Filter Change
- Optional Standing Height
- Reliable, Low Maintenance Operation
- Optional Magnehelic Gage
- Optional Clear or Solid Doghouse

The **Model 435 Portable Downdraft Bench - Sitting Height** is an effective source-capture solution for the extraction of fume, dust, and smoke at the work surface level. This safety engineering control helps to protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants. These units are designed for easy portability and flexibility within the work environment. Lockable casters make the unit easy to roll across a room and the no tool filter change design allows quick and easy filter replacement. The sitting height configuration is at a comfortable working height when seated in many standard chairs. The powerful Sentry Air Model 400 air cleaner provides up to 700 CFM of air volume to pull harmful fume down into the filter chamber. Our standard HEPA filter media is 99.97% efficient at capturing particles down to 0.3 microns in size. These negative-pressure systems are designed to eliminate costly exhaust systems, reduce energy losses, and aid in employee protection by capturing pollutants at the source of emission. Also available in a standing height configuration with either a clear or solid doghouse. Typical applications include: solvent vapor control, solder fumes, light grinding, epoxy fume control, sanding, buffing, brazing, powder control, maintenance welding, and a variety of other industrial applications.

Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.



1.800.799.4609
www.sentryair.com
sales@sentryair.com



Model 435 Portable Downdraft Bench - Stand

Model # SS-435-DDB-STAND

Product Specifications

TABLE DIMENSIONS

34.5" W x 25" D

Request specifications for additional size options

PERFORATED WORK AREA

Stainless Steel with 1/4" holes

30" W x 23.5" D

BLOWER CABINET DIMENSIONS

20" W x 22.5" D x 19.5" H, *Including Control Box*

BLOWER CABINET MATERIAL

16 ga. Carbon Steel

WEIGHT

Approx. 150 lbs.

Varies Depending on Filter Media Installed

AIR VOLUME

Variable Speed Control Standard on 115V

700 CFM High, Down to 50 CFM Low

On/Off Toggle Switch Standard on 220V

ELECTRICAL

115/1/60, 2.5 amps

220/1/50, 1.5 amps

8' grounded power cord with NEMA 5-15P Plug

SOUND LEVEL

Approx. 60 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]

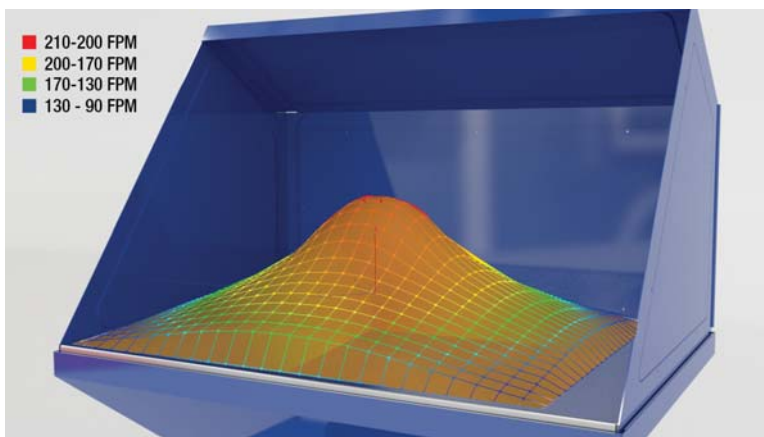
WARRANTY

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

PATENT #5,843,197



Dimensions are Approximate



Product Features

- Variable Speed Controller Included (115V only)
- Low Power Consumption
- Optional Hour Counter
- Sturdy Construction
- Simple, Quick "No Tool" Filter Change
- Optional Portable Storage Trays
- Reliable, Low Maintenance Operation
- Optional Magnehelic Gage
- Optional Sitting Height
- Optional Clear or Solid Doghouse

The **Model 435 Portable Downdraft Bench - Standing Height** is an effective source-capture solution for the extraction of fume, dust, and smoke at the work surface level. This safety engineering control helps to protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants. These units are designed for easy portability and flexibility within the work environment. Lockable casters make the unit easy to roll across a room and the no tool filter change design allows quick and easy filter replacement. The standing height configuration is at a comfortable working height when standing in front of the bench. The powerful Sentry Air Model 400 air cleaner provides up to 700 CFM of air volume to pull harmful fume down into the filter chamber. Our standard HEPA filter media is 99.97% efficient at capturing particles down to 0.3 microns in size. These negative-pressure systems are designed to eliminate costly exhaust systems, reduce energy losses, and aid in employee protection by capturing pollutants at the source of emission. Also available in a sitting height configuration with either a clear or solid doghouse. Typical applications include: solvent vapor control, solder fumes, light grinding, epoxy fume control, sanding, buffing, brazing, powder control, maintenance welding, and a variety of other industrial applications.

Disclaimer: NOT for combustibles (aerosols; paints) and be cautious of chemical applications.



1.800.799.4609
www.sentryair.com
sales@sentryair.com

