

## 35" Wide Portable Downdraft Bench — Standing Height



### Model # SS-435-DDB-STAND-M/G

The **35" Wide Portable Downdraft Bench - Standing Height** effectively captures and extracts fumes, dust, and smoke at the work surface level. This safety engineering control helps protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants. Within the perforated workspace of 30" width by 23.5" deep, the powerful industrial air cleaner pulls fumes and particulate into the filtration chamber. The **35" Wide Portable Downdraft Bench** comes standard with **HEPA filtration** offering up to 99.97% efficiency on particles 0.3 microns and larger. The air cleaner provides up to 700 CFM of air volume. Other filtration options include **ASHRAE filtration** (up to 95% efficiency on particles 0.5 microns and larger) for particulate removal, and heavy-duty **Activated Carbon** and **Specialty Blended Filter Media** (acid gas, ammonia, aldehyde, and mercury) for chemical fume control.

This unit offers easy portability with lockable casters which enable the operator to move the unit as necessary. The simple no tool filter change allows the operator to easily and quickly change the filter. Standing height enables the operator to comfortably stand in front of the unit. The **35" Wide Portable Downdraft Bench** has the option of an all metal enclosure [SS-435-DDB-STAND-M] and glass enclosure [SS-435-DDB-STAND-G]. Downdraft benches are also available in sitting height [SS-435-DDB-SIT].

These negative-pressure systems 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.*

**Disclaimer: Not for use with combustibles (aerosols, paints, etc) and be cautious of chemical applications.**

### Product Features

- **Includes:** variable speed controller (115V only), and ON/OFF switch (220V)
- **Optional:** Magnehelic Gauge, hour counter, portable storage trays, sitting height, and clear or solid enclosure
- **Filter Choice:** HEPA filters, ASHRAE filters, Activated Carbon filters, or specialty blended filter media
- 30" x 23.5" perforated work area
- Sturdy construction
- Reliable, low maintenance operation
- Low power consumption
- Simple, quick "no tool" filter change



*Downdraft Bench with Glass Enclosure [SS-435-DDB-STAND-G]*



*Downdraft Bench with Metal Enclosure [SS-435-DDB-STAND-M]*



## Product Specifications



Dimensions are approximate.

<b>Total Unit Dimensions</b>	<b>Width:</b> 35" <b>Depth:</b> 25.5" <b>Height:</b> 56.5"
<b>Table Dimensions</b>	<b>Width:</b> 34.5" <b>Depth:</b> 25"
<b>Perforated Work Area</b>	Stainless steel with 1/4" holes 30" W x 23.5" D
<b>Blower Cabinet Dimensions</b>	<b>Width:</b> 20" <b>Depth:</b> 22.5" (includes control box) <b>Height:</b> 19.5"
<b>Blower Cabinet Material</b>	16 ga. carbon steel
<b>Weight (approximately)</b>	150 lbs (depends on filter media installed)
<b>Air Volume (approximately)</b>	<b>High:</b> up to 700 CFM <b>Low:</b> down to 50 CFM
<b>Electrical</b>	115/1/60, 2.5 amps 220/1/50, 1.5 amps 8' grounded power cord with NEMA 5-15P plug
<b>Sound Level (High at 3' from inlet)</b>	Approx. 60 dba
<b>Main Filter Options</b>	Depending on the Application: <b>HEPA</b> [up to 99.97% efficiency on particles 0.3 microns and larger] <b>ASHRAE</b> [up to 95% efficiency on particles 0.5 microns and larger] <b>Activated Carbon Specialty-Blended Filter Media</b> [i.e. acid gas, mercury, aldehyde, and ammonia]
<b>Warranty</b>	Limited two-year warranty from date of shipment on defects due to materials or workmanship.
<b>US Patent</b>	#5,843,197 Pending



## 35" Wide Portable Downdraft Bench — Sitting Height



### Model # SS-435-DDB-SIT-M/G

The **35" Wide Portable Downdraft Bench - Sitting Height** effectively captures and extracts fumes, dust, and smoke at the work surface level. This safety engineering control helps protect the operator's breathing zone and surrounding environment from hazardous airborne contaminants. Within the perforated workspace of 30" width by 23.5" deep, the powerful industrial air cleaner pulls fumes and particulate into the filtration chamber. The **35" Wide Portable Downdraft Bench** comes standard with **HEPA filtration** offering up to 99.97% efficiency on particles 0.3 microns and larger. The air cleaner provides up to 700 CFM of air volume. Other filtration options include **ASHRAE filtration** (up to 95% efficiency on particles 0.5 microns and larger) for particulate removal, and heavy-duty **Activated Carbon** and **specialty blended filter media** (acid gas, ammonia, aldehyde, and mercury) for chemical fume control.

This unit offers easy portability with lockable casters which enable the operator to move the unit as necessary. The simple no tool filter change allows the operator to easily and quickly change the filter. Sitting height enables the operator to comfortably use the unit and prevent fatigue. The **35" Wide Portable Downdraft Bench** has the option of an all metal enclosure [SS-435-DDB-SIT-M] and glass enclosure [SS-435-DDB-SIT-G]. Downdraft benches are also available in standing height [SS-435-DDB-STAND].

These negative-pressure systems 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.*

**Disclaimer: Not for use with combustibles (aerosols, paints, etc) and be cautious of chemical applications.**

### Product Features

- **Includes:** variable speed controller (115V only) and ON/OFF switch (220V)
- **Optional:** Magnehelic Gauge, hour counter, standing height, and clear or solid enclosure
- **Filter Choice:** HEPA filters, ASHRAE filters, Activated Carbon filters, or specialty blended filter media
- 30" x 23.5" perforated work area
- Sturdy construction
- Reliable, low maintenance operation
- Low power consumption
- Simple, quick "no tool" filter change



*Downdraft Bench with Glass Enclosure  
[SS-435-DDB-SIT-G]*



*Downdraft Bench with Metal Enclosure  
[SS-435-DDB-SIT-M]*



# Fume & Particulate Removal

## Product Specifications



Dimensions are approximate.

<b>Total Unit Dimensions</b>	<b>Width:</b> 35" <b>Depth:</b> 25.5" <b>Height:</b> 51.5"
<b>Table Dimensions</b>	<b>Width:</b> 34.5" <b>Depth:</b> 25"
<b>Perforated Work Area</b>	Stainless steel with 1/4" holes 30" W x 23.5" D
<b>Blower Cabinet Dimensions</b>	<b>Width:</b> 20" <b>Depth:</b> 22.5" (includes control box) <b>Height:</b> 19.5"
<b>Blower Cabinet Material</b>	16 ga. carbon steel
<b>Weight (approximately)</b>	150 lbs (depends on filter media installed)
<b>Air Volume (approximately)</b>	<b>High:</b> up to 700 CFM <b>Low:</b> down to 50 CFM
<b>Electrical</b>	115/1/60, 2.5 amps 220/1/50, 1.5 amps 8' grounded power cord with NEMA 5-15P plug
<b>Sound Level (High at 3' from inlet)</b>	Approx. 60 dba
<b>Main Filter Options</b>	Depending on the Application: <b>HEPA</b> [up to 99.97% efficiency on particles 0.3 microns and larger] <b>ASHRAE</b> [up to 95% efficiency on particles 0.5 microns and larger] <b>Activated Carbon Specialty-Blended Filter Media</b> [i.e. acid gas, mercury, aldehyde, and ammonia]
<b>Warranty</b>	Limited two-year warranty from date of shipment on defects due to materials or workmanship.
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