

## 40" Wide High Flow Industrial Downdraft Bench



*Model # SS-440-DDB-HF*

The **40" Wide High Flow Industrial Downdraft Bench** 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 40" width by 22" deep, the powerful industrial air cleaner pulls fumes and particulate into the filtration chamber. The **40" Wide High Flow Industrial 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 950 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.

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, and a variety of other industrial applications.*

Sentry Air Systems offers both standard and custom stainless steel downdraft benches equipped to protect employees from breathing harmful particulate and fumes. Downdraft benches are also available with a 30" wide [SS-430-DDB-HF] perforated work area and another 40" wide model with up to 700 CFM air volume [SS-440-DDB]. Custom design options and modifications can be discussed with a Sentry Air Applications Specialist in order to best suit your application.

### Product Features

- **Includes:** variable speed controller (115V only), and ON/OFF switch (220V)
- **Optional:** Magnehelic Gauge, air volume downgrade (700 CFM), and 30" wide area
- **Filter Choice:** HEPA filters, ASHRAE filters, Activated Carbon filters, or specialty blended filter media
- 40" x 22" perforated work area
- Sturdy construction
- Reliable, low maintenance operation
- Low power consumption



*40" Industrial Downdraft Bench*

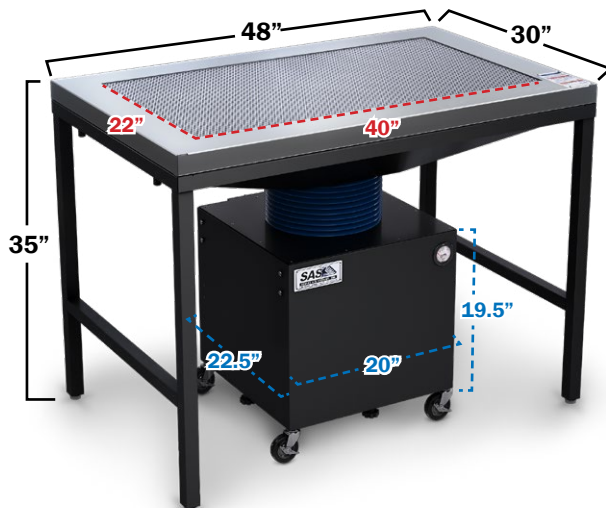


*The Industrial Downdraft Bench provides fume extraction for use with chemicals, solvents, and aerosol sprays.*



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## Product Specifications



*Dimensions are approximate.  
Shown with optional Magnehelic  
Gauge and 10" D outlet plenum*



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| <b>Table Dimensions</b>                    | <b>Width:</b> 48"<br><b>Depth:</b> 30"<br><b>Height:</b> 35"   |
| <b>Perforated Work Area</b>                | 1/4" stainless steel perforated area<br>40" W x 22" D x 16g<br>51% open space  |
| <b>Table Material</b>                      | 304 stainless steel surface, chrome-plated foot bar  |
| <b>Plenum Box Outlet Options</b>           | 10" diameter round outlet  |
| <b>Blower Cabinet Dimensions</b>           | <b>Width:</b> 20"<br><b>Depth:</b> 22.5"<br>(includes control box)<br><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 950 CFM<br><b>Low:</b> down to 50 CFM   |
| <b>Electrical</b>                          | 115/1/60, 10.7 amps<br>220/1/50, 5.35 amps<br>8' grounded power cord with NEMA 5-15P plug  |
| <b>Sound Level (High at 3' from inlet)</b> | Approx. 72 dba   |
| <b>Main Filter Options</b>                 | Depending on the Application:<br><b>HEPA</b> [up to 99.97% efficiency on particles 0.3 microns and larger]<br><b>ASHRAE</b> [up to 95% efficiency on particles 0.5 microns and larger]<br><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   |