



Downdraft Booths

Self-Contained Downdraft Booth Enclosures Using DualDraw® Airflow Technology

The DualDraw Downdraft Booth is designed to maximize containment of airborne dust and fumes through its three-sided enclosed work space combined with the DualDraw signature downdraft and backdraft airflow. Overhead lighting is standard with all Downdraft Booth designs, making this unit an optimal solution for operators that require a well-lit workspace, breathing zone protection, and the elimination of cross contaminants.

Standard sizes are available yet equipment is modular in design – this ensures a cost-effective, made-to-order solution specific to your particular application. All solutions use the patented DualDraw even airflow design to effectively capture dust and fume in the operator work zone. Each unit is fitted with a unique filter system arrangement; configured to capture a wide variety of dust and fume hazards that may present challenges in your work place.

The DualDraw approach to solving customer dust and fume challenges stands alone in the marketplace – each product is delivered with a satisfaction guarantee and multi-year warranty on parts and labor.



TB6060-SC
Custom with Side Cuts



**Rear View with Dust
Collection Filter Housing**



TB3060-IS
with Middle Divider



TB3048-D
Quantity Discounts Available



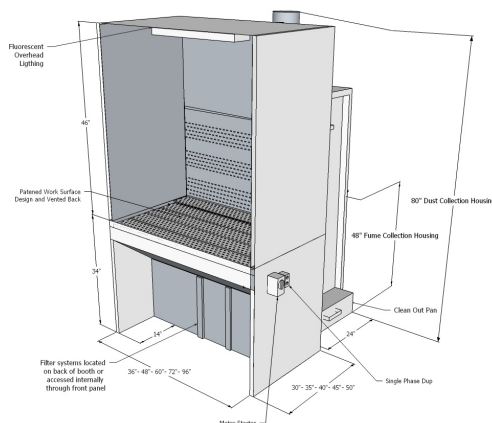
**TB3072-IN Custom with
Front Sash and Side Table**



SPECIFICATIONS

Design Name:	DualDraw Downdraft Booths
Standard Models:	TB3036 (30"D X 36"W work surface), TB3048 (30"D X 48"W work surface), TB3060 (30"D X 60"W work surface), TB3072 (30"D X 72"W work surface), TB3096 (30"D X 96"W work surface). Low Flow or High Flow. Filter system designation: D (Dust Collection), F (Smoke/Fume Removal), IS (Internal System), H (HEPA), SC (Self Cleaning).
General Specifications	
Characteristics	Patented DualDraw design: even distribution of airflow across a perforated surface and vented back stop. Modular fastening system provides design flexibility to meet customer requirements in a cost-effective manner. Self-contained solution; no outdoor exhausting necessary but can be accommodated if required.
Filtration Systems:	Filtration systems attach to the back side of equipment or are located internally. Choose between dust collection, smoke or fume removal, and HEPA filtration. All filter systems come with cleanout trays and easy to remove access doors for filter maintenance.
• Dust	Dust filter housings are modular and attach to the back of the unit. Dust filter housing dimensions are 24" D x 24" W x 80" H. Cleanout tray for ease of maintenance.
• Smoke/Fume	Smoke/Fume filter housings are modular and attach to the back of the unit. Smoke/Fume filter housing dimensions are 24" D x 24" W x 48" H. Cleanout tray for ease of maintenance.
• Internal	Internal filter systems are located inside the cavity of the table and filters are accessed through a door located on the bottom front. Internal filter systems reduce overall depth by 24" and are a practical solution when space is limited. Cleanout tray is standard for ease of maintenance.
• HEPA	HEPA filter systems for dust, smoke, or fumes are available. HEPA systems can also be located internal. Cleanout tray is standard for ease of maintenance.
Available Sizes:	Standard lengths are 36", 48", 60", 72", and 96". Standard depth of the work surface is 30" and standard height is 80". Table footprint extends an additional 24" D to account for the filter housing. Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Front Sash	Lexan sash or rubber strip curtains available as option to increase face velocity and better direct air through front of booth enclosure.
Work Surface Area	The standard surface area of a DualDraw downdraft table ranges from 7.5ft ² to 20ft ² . The surface of the equipment is a series of 5" W perforated C-channel grates. Each grate has evenly spaced 1/2" x 3/16" perforations that create an equal distribution of downdraft across the surface.
Table Capacity	500 lbs. - 1,000 lbs. distributed weight. Reinforced grates and table sides available for heavy-duty use.
Cabinet	12-16 gauge modular body construction.
Finish	Electro Galvanized, galaxy finish. Stainless steel or powder coat paint available as finish options.
Filters	A set of new filters are included with the unit. Discount replacement filter kits are available, please inquire. Depending on the application, the following may be contained in a unit: <ul style="list-style-type: none"> • Standard 24" x 24" x 4" pleated prefilter. 40% efficient to 0.7 μ MERV 7. • Standard 24" x 24" x 4" pleated final filter. 95% efficient to 0.7 μ MERV 14. • Standard 24" x 24" x 30" 10-pocket dust bag filter. 85% efficient to 1.0 μ MERV 13. • Standard 24" x 24" x 2" activated carbon filter for fume removal. 6 lbs. • Optional 24" x 24" x 11.5" HEPA filter. 99.97% efficient to 0.3 μ MERV 17. • Optional 24" x 24" x 12" activated carbon filter for fume removal. Heavy-duty, refillable. 60 lbs.
Spark Arrestor	Heavy-duty, washable, steel spark arrestors to catch residual particulate and reduce fire hazard. Standard equipment for applications that generate hot particulate or sparks.
Dust Pans	Optional removable front dust pan for easy cleanout and maintenance. Cleanout tray in filter housing standard on all designs.
Electrical	Units come pre-wired with a thermally protected manual motor starter and two single phase outlets. NEMA 12/4X lockable enclosure is standard.
Lighting	Standard 2 bulb fluorescent fixture. 4 bulb fixture optional. LED lighting optional.
Motor	Single phase 115/220V or three phase 208/230/460V motor depending on customer requirement. Horsepower ranges from 3/4 HP to 10 HP based on table size and application. Hazardous duty motors available as an option.
Capture Velocity	Ranges from 100 to 400 FPM depending on application and customer requirement.
Air Volume	Low flow and high flow options available. CFM ranges from 1,200 to 5,000 on standard units.
Sound	Ranges from 70 - 78 dB at operator work zone. Optional silencer package.
Magnehelic Gauge	Differential pressure gauge provides indication of when filters should be checked or changed. Audible and visual alarm system available as option.
Unit Weight	Varies based on size. Ranges from 750 to 1,800 lbs. uncrated.
Caster wheels	Optional heavy-duty 3.5" caster wheels for ease of movement.
Assembly	Units ship complete. No assembly needed on standard units.
Shipping	FOB Denver, CO. Discounted freight rates available.
Start-up and Training	Typically not required for standard downdraft booths but available upon request. Includes equipment optimization and operator training.
Preventative Maintenance	Annual maintenance packages available. Includes equipment diagnostics, application assessment, full filter change, and written report.
Regulatory	Helps meet indoor air quality OSHA Standard 1910.1000.

RENDERING - DualDraw Downdraft Booth



WWW.DUALDRAW.COM
800-977-2125

Contract Holder
FSS Contract
GS-25F-0161M

