



Desktop DualDraw Downdraft Tables

Self-Contained Downdraft Units Using DualDraw® Airflow Technology

The Desktop Downdraft is a compact air filtration solution designed to provide excellent dust or fume collection with minimal impact to footprint. Units are easily placed on top of existing work surfaces and are quickly installed. This thoughtfully designed solution is cost-effective and ideal for use in crowded facilities where floor space is at a premium. Facility cross contamination and protection of the operator is optimized through the use of the patented DualDraw airflow technology: creating even distribution of protective airflow across the perforated work surface.

The filter system is located on top of the unit with an easy access door located directly in front of the operator. It comes complete with filter media specifically selected to most effectively address the operator application and its related dust or fume hazards.

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.



LB3024_with Non-Scratch Mat



LB3024 with
Light On

LB3036 Custom
Blue with Sash





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SPECIFICATIONS

Design Name	Desktop DualDraw Downdraft Tables
Standard Models:	LB3024 (25" x 22" work surface), LB 3036 (25" x 34" work surface)
General Specifications	Patented DualDraw design: even distribution of airflow across a perforated surface. Small footprint provides ease of install and portability. Easily placed on an existing work surface. Units can be conveniently located on existing work surfaces and put into operation immediately.
Characteristics	
Filtration System	The filtration system sits on top of the unit and filters are easily accessed from the front. Choose between dust collection, smoke or fume removal, and HEPA filtration. All filter systems come with a differential pressure gauge to monitor filter cleanliness.
Dust	For dust producing applications, the unit is configured with a prefilter and a final filter. A washable metal spark arrestor is also used for sparking applications. The standard prefilter is 40% efficient to a 0.7 μ and the final filter is 95% efficient to 0.7 μ.
Smoke/Fume	For welding applications, the unit is configured with a prefilter, final filter, and washable metal spark arrestor for safety. The standard prefilter is 40% efficient to a 0.7 μ and the final filter is 95% efficient to 0.7 μ. For fume control, 6 lbs. of activated carbon or a potassium permanganate/carbon blend filter is used depending on the chemistry of the fume.
HEPA	Optional High Efficiency Particulate Air filter are available for maximum filter efficiency. HEPA filters are 99.97% efficient to 0.3 μ.
Available Sizes	The footprint of the LB3024 Desktop DualDraw is 30" D x 24" W x 64" H. The LB3036 is 30" D x 36" W x 64" H. Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Work Surface Area	The surface area of the LB3024 and LB3036 is 3.82 ft ² and 5.9 ft ² respectively. The surface of the equipment consists of (5) 5" D 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. Units configured for the capture of combustible dust come with non-sparking table grates and side shields.
Table Capacity	100 lbs. - 250 lbs. distributed weight. Reinforced grates and table sides available for heavy-duty use. Units are typically placed on a pre-existing work space that should be also evaluated for weight load.
Cabinet	12-16 gauge modular body construction.
Finish	Powder coat paint finish. Standard color is laboratory light grey. Cardinal paint color GR-230.
Filters	A set of new filters are included with each 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 12" x 4" pleated prefilter. 40% efficient to 0.7 μ. MERV 7. • Standard 24" x 12" x 4" pleated final filter. 95% efficient to 0.7 μ. MERV 14. • Standard 24" x 12" x 2" activated carbon filter for fume removal. 6 lbs. • Optional 24" x 12" x 4" HEPA filter. 99.97% efficient to 0.3 μ. MERV 17.
Spark Arrestor	Heavy-duty steel spark arrestor to catch residual particulate and reduce fire hazard. Standard equipment for applications that generate hot particulate or sparks. Washable.
Electrical	Units come pre-wired with a thermally protected manual motor starter. NEMA 12/4X enclosure.
Lighting	Dust proof fluorescent light fixture. LED optional.
Motor	Single phase 1/2 HP - 1.0 HP, 115/230V. Standard 115 plug standard on units. Three phase available if required.
Capture Velocity Range	200+ feet per minute at operator work zone.
Air Volume	1,100 - 2,000 CFM.
Sound	Ranges from 70 - 74 dB at operator work zone.
Magnehelic Gauge	Differential pressure gauge provides indication of when filters should be checked or changed.
Unit Weight	Approximately 200 lbs. uncrated.
Assembly	None required. Will require placement. Pre-measurement of desired final location advised.
Shipping	FOB Denver, CO. Discounted rates available.
Start-Up and Training	Not required. Optional for multi-unit purchases or specific customer requirement.
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. Units configured for combustible dust comply with applicable NFPA standards.

RENDERING - Desktop DualDraw Downdraft Table

