

Flat Top Downdraft Tables

Self-Contained Air Filtration Tables Using DualDraw® Airflow Technology

The DualDraw Flat Top Downdraft Table is an air filtration solution designed to provide maximum workspace versatility while efficiently containing airborne dust or fume generated from activities such as grinding, cutting, welding, mixing, and many others. The Flat Top with its open work space is optimally used by operators who work on various sized parts and cannot be limited by an enclosure with sidewalls or a back stop. Additionally, this model works well in facilities with minimal space for a downdraft table. With its standard in-line design, this model efficiently incorporates the filtration, motor(s), and fan(s) into the interior space of the table.

The Flat Top model incorporates the patented DualDraw even airflow design of the perforated surface for efficient capture of airborne hazards. Filter media is configured to the particular user application and includes box style filters, activated carbon, HEPA, and self-cleaning cartridge filtration. Each unit is easy to maintain with a clean-out tray and differential pressure gauge to monitor filter cleanliness.

All DualDraw solutions, including the Flat Top Downdraft table, achieve the objectives of protecting the health of operators and eliminating cross contamination of adjacent plant equipment or processes. 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.



**FT3048 Flat Top
Downdraft Table**



**FT5096 Flat Top
Downdraft Table**



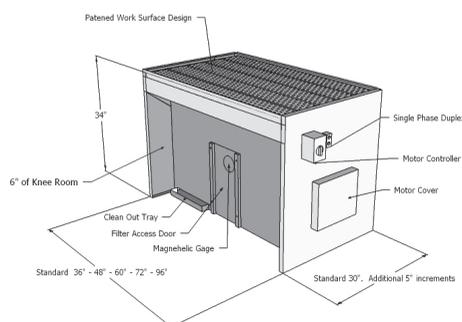
**FT3072 Flat Top
Downdraft Table**



SPECIFICATIONS

Design Name	DualDraw Flat Top Downdraft Tables
STANDARD MODELS:	FT3036 (30"D X 36"W work surface), FT3048 (30"D X 48"W work surface), FT3060 (30"D X 60"W work surface), FT3072 (30"D X 72"W work surface), FT3096 (30"D X 96"W work surface). Depth of work surface can be increased in 5" increments. Low Flow or High Flow. Filter system designation: IS (Internal System), H (HEPA).
General Specifications	
Characteristics	Patented DualDraw design: even distribution of airflow across a perforated surface. 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. The filtration system is designed to minimize footprint without compromising safety and filter life. Standard Flat Top units are configured with the IS configuration (internal filtration system). The filters are located inside the unit and are configured to handle either dust or fume generated by the operator. All units come with the option for HEPA filtration. Flat Tops come standard with a differential pressure gauge to monitor filter cleanliness, a clean-out tray, and easy to remove access doors for filter maintenance.
Filtration Systems	
• 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 a sparking application. 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 and a final filter. A washable metal spark arrestor is also used. 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, 12 lbs. or 60 lbs. of activated carbon or a potassium permanganate/carbon blend filter is used depending on the chemistry of the fume.
• HEPA	HEPA filter systems for dust, smoke, or fumes are also available. HEPA filters are 99.97% efficient to 0.3 μ.
• Cartridges	12.75" Ø x 26/30/34" L self-cleaning cartridge filters available for heavy loading applications. Various efficiency levels depending on application. Available only on limited models.
Available Sizes	Standard lengths are 36", 48", 60", 72", and 96". Standard depth of the work surface is 30" and standard height is 34". Standard depth can be increased in 5" increments up to 60". Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Work Surface Area	The standard surface area of a DualDraw downdraft table ranges from 7.5 ft ² to 20 ft 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. Stainless or non-scratch work surface optional.
Table Capacity	500 lbs. - 1,000 lbs. distributed weight. Reinforced heavier gauge 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 finish available as 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: Standard 24" x 24" x 4" pleated prefilter. 40% efficient to 0.7 μ. MERV 8. Standard 24" x 24" x 4" pleated final filter. 95% efficient to 0.7 μ. MERV 14. Standard 24" x 24" x 2" activated carbon filter for fume removal. 6 lbs. Standard 12.75" Ø x 26/30/34" self-cleaning cartridge filter, various efficiency levels based on application. 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. Heavy-duty. 60 lbs.
Spark Arrestor	Heavy-duty steel spark arrestor to catch residual particulate and reduce fire hazard. Standard equipment for applications that generate hot particulate or sparking. Washable.
Dust Pan	Standard removable front dust pan for easy cleanout and maintenance.
Electrical	Units come pre-wired with a thermally protected manual motor starter and two single phase outlets. NEMA 12/4X enclosure. Variable frequency drives available for energy saving soft start and airflow control.
Motor	Single phase 115/220V or three phase 208/230/460V motor depending on customer requirement and unit size. Horsepower ranges from 3/4 HP to 10 HP based on table size and application. Hazardous duty motors available for combustible applications.
Capture Velocity Range	Calibrated based on industrial hygiene standards. Ranges from 100 to 400 FPM at capture zone 1" to 2" off work surface depending on application requirements.
Air Volume	Low flow and high flow options available. CFM ranges from 1,200 to 8,000 on standard units.
Sound	Ranges from 74 - 84 dB at operator work zone depending on specification. Optional silencer package.
Magnehelic Gage	Differential pressure gauge provides indication of when filters should be checked or changed.
Unit Weight	Varies based on size. Ranges from 750 to 1,500 lbs. uncrated.
Caster wheels	Optional heavy-duty 3.5" caster wheels for ease of movement.
Assembly	Not required. Units ship complete.
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 include diagnostics, application assessment, full filter change, and written report.
Regulatory	Helps meet indoor air quality OSHA Standard 1910.1000. Units configured to capture combustible dust comply with applicable NFPA standards.

RENDERING - DualDraw Flat Top Downdraft Table



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GSA Contract Holder
FSS Contract
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