



Portable Downdraft Tables

Self-Contained Downdraft Tables Using DualDraw® Airflow Technology

The DualDraw Portable Downdraft Table is a compact air filtration solution designed to maximize safety and collection efficiency while minimizing shop floor space. The practical design of the unit provides portability while maintaining protection of operators from harmful dust and fumes.

This workhorse downdraft table is our most popular unit. It incorporates the patented DualDraw even airflow design and is well-suited for working with smaller parts. It comes standard with hinged side-wings and an overhang for increased containment. Both of these features open wide to allow for part size versatility. The filter system on the PT Series is always configured to the particular customer application, ensuring optimal effectiveness to address the hazard of concern.

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.



**PT2032 Portable
Downdraft Table**

**Rear View of
Internal Filter System**





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SPECIFICATIONS

Design Name	Portable Downdraft Tables
STANDARD MODELS:	PT2032, PT2032A, PT2032-AL (20" D X 32" W work surface)
General Specifications	
Characteristics	Patented DualDraw design: even distribution of airflow across a perforated surface. Hinged side-wings and overhang for containment. Small footprint and caster wheel system provide ease of portability. Self-contained solution; no outdoor exhausting necessary but can be accommodated if required.
Filtration Systems	The filtration system is designed to minimize footprint without compromising safety and filter life. Choose between dust collection (including combustible dust), smoke or fume removal, and HEPA filtration. All filter systems come with a cleanout tray, a differential pressure gauge to monitor filter cleanliness, and an easy-to-remove filter access door for maintenance.
• Dust	For dust producing applications, the unit is configured with a prefilter and a final filter. A washable metal spark arrester 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, final filter, and washable metal spark arrester 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, 12 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	Table footprint of the portable downdraft unit is 39" D x 32" W x 52" H. Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Work Surface Area	The standard surface area of the portable downdraft table is 20" D x 32" W. The surface of the equipment is a series of 5" D x 32" 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. Units configured for the capture of combustible dust come with non-sparking table grates and side shields.
Table Capacity	250 lbs. - 500 lbs. distributed weight. Reinforced grates and table sides available for heavy-duty use.
Cabinet	12-16 gauge modular body construction.
Finish	Powder coat paint finish. Safety blue, Cardinal paint color BL-01. Stainless steel optional.
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 2" activated carbon filter for fume removal. 6 lbs. • Optional 24" x 24" x 4" HEPA filter. 99.97% efficient to 0.3 μ. MERV 17.
Spark Arrester	Heavy-duty steel spark arrester to catch residual particulate and reduce fire hazard. Standard equipment for applications that generate hot particulate or sparks. Washable.
Dust Pans	Cleanout tray in filter housing is standard.
Electrical	Units come pre-wired with a thermally protected manual motor starter and two single phase outlets. NEMA 12/4X enclosure.
Lighting	Two bulb fluorescent fixture and bulbs optional.
Motor	Single phase 115/220V or three phase 230V/460V. Horsepower ranges from 1/2 to 3 HP. Units configured to capture combustible dust come with a non-sparking fan wheel. Hazardous-duty motor optional.
Capture Velocity Range	Ranges from 200 to 400 FPM depending on application and customer requirement.
Air Volume	Low flow and high flow options available. CFM ranges from 1,500 to 2,500 on standard units.
Sound	Ranges from 72 - 76 dB at operator work zone. Optional silencer package.
Magnehelic Gauge	Differential pressure gauge provides indication of when filters should be checked or changed.
Unit Weight	Approximately 300 lbs. uncrated.
Caster wheels	Heavy-duty 3.5" caster wheels for ease of movement.
Assembly	None required. Ships complete.
Shipping	FOB Denver, CO. Discounted rates available.
Start-Up and Training	Typically not required, available as option.
Preventative Maintenance	Annual maintenance packages available, please inquire.
Regulatory	Helps meet indoor air quality OSHA standard 1910.1000. Units configured to capture combustible dust comply with NFPA.

RENDERING - Portable Downdraft Table

