



Downdraft Tables and Booths for Dry Combustible Dust Collection

Air Filtration Equipment Using DualDraw® Airflow Technology

DualDraw Combustible Dust Collection equipment is designed to capture combustible dust in a compliant, cost-effective, and easy-to-maintain manner. Designed to closely follow combustible dust regulatory standards, units come complete with a non-sparking work surface, side wings, vented back stop, and an AMCA non-spark classified fan wheel. Dry units do not require water or compressed air, are easy to maintain, and come with hand-accessed, highly efficient replaceable filters.

Each unit incorporates the patented DualDraw airflow design of an evenly spaced perforated surface and most come with the DualDraw signature vented back stop. All units come with a specially designed compact filter housing system for safely capturing combustible dust in a regulatory compliant manner.

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



Non-Spark Motor Blower System Attached to Rear



TB3096-AL Booth



PT2032-AL Portable Unit



BG3096-AL Table with Vented Back Stop



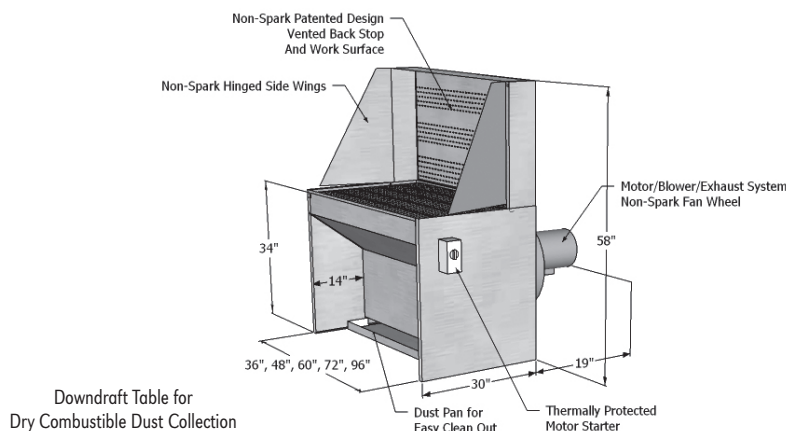


WWW.DUALDRAW.COM
800-977-2125

SPECIFICATIONS

Design Name	The AL Series: DualDraw Downdraft Equipment for Dry Combustible Dust Collection
Standard Models:	Flat Top Tables (FT), Downdraft Booths (TB), Portable Downdraft Tables (PT), Stand Alone Filtration Systems (SAF), and Walk-In Clean Air Stations (WI). Downdraft equipment ranges in size from 32" W to 96". Walk-In Clean Air Stations range in size from 4'W to 40'W. DualDraw equipment is built to accommodate custom sizing – please inquire if standard sizes do not fit your requirement.
General Specifications	
Characteristics	Patented DualDraw Design: even distribution of airflow across a flat work surface and ventilated wall. Built to comply with combustible dust regulatory standards. Units do not require water or compressed air and come with an easy to maintain, front accessible clean-out tray.
Filtration Systems	Filtration systems are designed specifically for combustible dust capture. The motor and blower are located outside of the air stream and on most downdraft models extend 19" behind the work surface. Filters are located internally in the body of the equipment. Typically, filters are easily accessed by hand through removing the table grates on the work surface of the unit. .
• Internal Option	Internal filter systems are located inside the downdraft unit and are hand-accessed through a door located on the bottom front of the unit. Internal filter systems reduce overall footprint depth by 19" and are a practical solution when space is limited. Standard cleanout tray for ease of maintenance.
• HEPA Option	HEPA filter systems with >99.97% efficiency to 0.3 microns are available for sub-micron dust collection. Cleanout tray for ease of maintenance.
Available Sizes	Standard downdraft unit lengths are 36", 48", 60", 72", and 96". Standard depth of the work surface is 30". Standard height is 58" for downdraft tables and 80" for downdraft booths. Flat Top Tables are 34" in height. Add an additional 19" D to all downdraft units account for the motor and blower attached to back. Standard Walk In Clean Air Stations range in size from 4'W x 8'D x 8'H to 40'W x 8'D x 8'H. DualDraw equipment is built to accommodate custom sizing – please inquire if standard sizes do not fit your requirement.
Work Surface Area	The work surface on downdraft units is non-sparking aluminum and the standard area ranges from 4.5ft 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	250 lbs. – 500 lbs. distributed weight. Reinforced grates and table sides are available for heavy-duty use.
Cabinet	14-16 gauge modular body construction. Heavier duty build available if required.
Finish	Electro galvanized, galaxy finish with non-spark safety features. Work surface, sides, back stop all built out of non-ferrous, non-sparking .080 aluminum. Stainless steel or powder coat paint finish also available.
Filters	A set of fresh filters are always included with new units. Discount replacement filter kits are available, please inquire. The following filters are often used with combustible dust collection units: <ul style="list-style-type: none"> • Standard 24" x 24" x 4" pleated prefilter. 40% efficient to 0.7 microns. MERV 7. • Standard 24" x 24" x 4" pleated final filter. 95% efficient to 0.7 microns. MERV 14. • Optional 24" x 24" x 11.5" HEPA filter. 99.97% efficient to 0.3 microns. MERV 17.
Dust Pans	Easy access removable front dust clean out trays for simple house-keeping maintenance.
Electrical	Downdraft units come pre-wired with NEMA 12/4X thermally protected manual motor starters. Walk-In Clean Air Stations come standard with control panels with push button on/off and integral disconnect.
Lighting	Dust proof fluorescent lighting standard in Walk-In Clean Air Stations and certain downdraft models.
Motor	Single phase 115/220V or three phase 208/230/460V motor depending on application and customer requirement. Horsepower ranges from 3/4 HP to 30 HP based on size of unit and application. Hazardous Duty Class II dust proof motors available.
Capture Velocity	Airflow capture rates are based on industrial hygiene standards related to particular customer application. Most capture rates will range from 150 to 500 feet per minute.
Air Volume	CFM will depend on customer application. Standard range is from 1,500 CFM to 25,000 CFM.
Sound	Varies based on fan package. Most equipment ranges from 74 – 84 dB at operator work zone. Optional silencer packages available.
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 300 to 1,800 lbs. for standard downdraft sizes. Walk-In Clean Air Stations weigh up to 4,000 lbs + for larger units.
Caster wheels	Optional heavy-duty caster wheels for ease of movement on downdraft tables and booths.
Assembly	Standard downdraft equipment ships complete. Walk-In units shipped in sub-assemblies and require minor assembly.
Shipping	FOB Denver, CO. Discounted freight rates available.
Start-up and Training	Available for Walk-In units. Includes equipment optimization and operator training. Typically not required on standard downdraft equipment.
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 in addition to combustible dust regulatory standards such as NFPA 654 and 484.

RENDERING - Standard Downdraft Table for Dry Combustible Dust Collection



Contract Holder
GSA FSS Contract
GS-25F-0161M