



Dust & Fume Cartridge Collectors

DualDraw™ Air Filtration Equipment for Heavy-Duty Applications

DualDraw Self-Cleaning Dust & Fume Cartridge Collector Equipment is used to address heavy-duty dust or fume applications such as deburr, sanding, grinding, buffing, mixing, cutting, welding, or plasma cutting. Various cartridge filter efficiencies and configurations are available depending on customer application and footprint requirements.

Cleaning technology can be operator initiated or automated based on differential pressure settings. Particulate is dislodged from filters using compressed air pulsed through industry-proven Goyen nozzles and cartridge filter cleaning cones. Pressure is evenly spread throughout the filter, dislodging particulate in the most efficient and thorough cleaning manner. This allows for maximum filter life and reduced consumable costs.

Self-Cleaning filter configurations are available on all DualDraw equipment styles: D downdraft Tables and Booths, Stand-Alone Filtration Systems, and Walk-In Clean Air Stations. DualDraw equipment is built-to-order using our various standard designs. Solutions are cost-effectively modified to particular customer requirements on an as-needed basis. This hands-on approach ensures we meet your needs every time we are fortunate to earn your business. All equipment comes with a multi-year warranty on parts and labor and is guaranteed with a money back promise that is unmatched in the marketplace.



TB3548-SC Custom

16' SC Power Wall



BG3060-SC



SAF-SC Shown with
Door Panel Removed



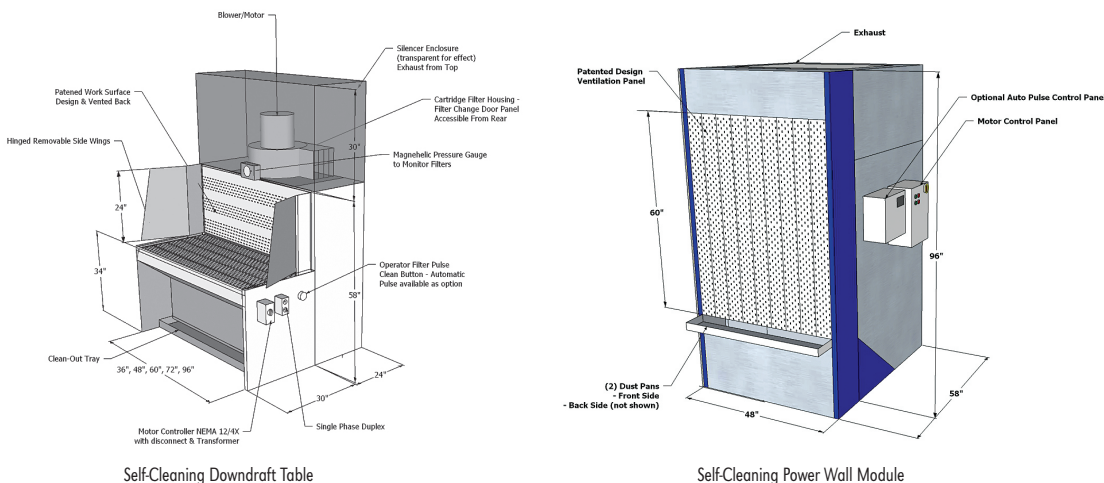
FT3560IN-SC Downdraft
Table with Space-Saving
Internal Filters



SPECIFICATIONS

Design Name	DualDraw Dust & Fume Cartridge Collectors
Available Models	Downdraft Tables and Booths, Walk-In Clean Air Stations, Power Walls, and Stand-Alone Filtration Systems.
General Specifications	
Characteristics	Patented DualDraw design: even distribution of airflow across ventilated work surfaces, back stops, and power walls. Modular fastening system provides flexibility to cost-effectively meet customer specified requirements. Self-contained clean exhaust solution; no outdoor venting necessary unless desired.
Filter System	Self-Cleaning reverse pulse cartridge filtration system using Goyen components including nozzles and cartridge filter cleaning cones. Consult with a DualDraw equipment designer to ensure appropriate filter media and efficiencies are utilized based on particular application. HEPA after-filter module available.
Available Sizes	Standard downdraft equipment sizes are 36", 48", 60", 72", and 96" lengths. Depths range from 30", 35", 40", 45", and 50". Add 24" to 30" to depth to account for filter housing. Height of work surface sits at 34". Flexible design of system allows for cost-effective modifications. A popular Walk-In Booth footprint is 12' W x 8' D x 8' H. Sizes range smaller and much larger depending on application requirement. 4' W x 8' H Power Wall units are building blocks of Walk-In units, linked together according to size requirements. Stand-Alone units are typically ducted to separate hood(s) throughout a facility – consult with a DualDraw equipment designer to size appropriately.
Work Surface Area	The standard work surface area on downdraft equipment ranges from 7.5ft ² to 30ft ² . The surface consists of 5" wide perforated C-channel grates reinforced for strength. Each grate has hundreds of evenly spaced 1/2" x 3/16" perforations that equally distribute airflow across the surface. Non-scratch work surface optional. A Walk-In unit work area varies by booth size. The 12' model has 96 ft ² of work space.
Downdraft Work Surface Capacity	500 lbs. - 1,000 lbs. distributed weight. Heavy-duty work surface available as option.
Cabinet	14-16 gauge uni-body construction. Heavy-duty welded construction available as option.
Finish	Electro-Galvanized, Galaxy, Stainless steel or powder coat paint finish available as option.
Filters	12.75" Ø x 26/30/34" cartridge filters; length, efficiency, amount of filter media, and style dependent on customer application. Camfill Hemipleat is standard issue filter – can be configured to fit many brand name filter options.
Spark Arrestor	Optional double layered spark arrestor to catch residual particulate and reduce fire hazard when hot work applications are being performed.
Self-Cleaning Function	Manual pulse system 80-100 psi of clean dry compressed air. Variable venturi pulse throats and cartridge filter cleaning cones, Goyen components. P-2 programmable auto-pulse control panel available as option.
Dust Pans	Standard on all equipment. Hand-removable for easy cleanout and maintenance.
Electrical	Units come pre-wired with thermally protected motor starters in NEMA rated enclosures.
Lighting	Standard on Walk-In Units and Downdraft Booth models, optional on Downdraft Tables. LED and hazardous duty classification optional.
Motor/Blower	HP varies based on size of collector. TEFC Motor, 60 HZ, 3 Phase. Hazardous duty optional. Backward Incline fan. AMCA Spark resistant optional.
Capture Velocity	Ranges from 150 FPM to 400 FPM at capture zone 1" to 2" off work surface. Depends on application requirements and the particular DualDraw model of choice.
Air Volume	Ranges from 1,500 CFM to 8,000 CFM on Downdraft Equipment and Stand-Alone units. Walk-In 4' power wall modules start at 6,000 and range upward.
Sound	Ranges from 82 - 86 dB at operator working zone. Silencer packages available.
Magnehelic Gauges	Indicate when filters should be checked and/or changed. Audible and visual alarm packages available as option.
Unit Weight	Varies based on size. Range from 750 to 2,200 lbs. uncrated for Downdraft Equipment. Smaller Walk-In units begin around 2,000 lbs.
Caster Wheels	Optional heavy duty 4" caster wheels for ease of movement on Downdraft Equipment and Stand-Alone Filtration units.
Assembly	Most units ship 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, diagnostics, and operator training. Typically not required for Downdraft Equipment.
Preventative Maintenance	Annual maintenance packages available. Includes equipment diagnostics, application assessment, full filter change, and written report.

RENDERING - DualDraw Dust & Fume Cartridge Collectors



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