



## Self-Cleaning Downdraft Equipment

Tables & Booths Using Patented DualDraw® Airflow Technology

DualDraw Self-Cleaning Downdraft Equipment is an air filtration solution for heavy-duty dust collection.

Constructed with safety and efficiency in mind, this dust collector incorporates the patented DualDraw airflow design of the perforated surface and signature vented back stop with a superior self-cleaning cartridge filtration system.

The equipment is unique in the marketplace and will exceed your downdraft air quality needs.



**BG3048-SC Front**



**BG3048-SC Back**





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# SPECIFICATIONS

<b>Design Name</b>	Self Cleaning Downdraft Equipment
<b>Available Models:</b>	Tables with Vented Back (Shown), Flat Top Tables, Booths, Walk-In Clean Air Stations.
<b>General Specifications</b>	
<b>Characteristics</b>	Patented DualDraw design: even distribution of airflow across a perforated surface and vented back stop. Modular fastening system provides flexibility to cost effectively meet customer specific requirements.
<b>Filter System:</b>	Filter systems attach to the back side of equipment. Choose between HEPA, dust collection, smoke capture, and fume removal filtration.
<b>Available Sizes:</b>	Standard sizes are 48", 60", 72", and 96" lengths. Standard depth of the work surface is 30" with an additional 24" depth for the filter housing. Flexible design allows for cost-effective size modifications.
<b>Work Surface Area</b>	The standard surface area of DualDraw downdraft equipment ranges from 4.5ft <sup>2</sup> to 20ft <sup>2</sup> . The surface of the equipment is covered with 5" wide perforated C-channel grates. Each grate has hundreds of evenly spaced 1/2" x 3/16" perforations that provide for an equal distribution of the airflow across the surface.
<b>Table Capacity</b>	500 lbs. - 1,000 lbs. distributed weight.
<b>Cabinet</b>	12-16 gauge uni-body construction.
<b>Finish</b>	Electro Galvanized. Powder coat paint finish available.
<b>Filters</b>	13" x 26" High efficiency cartridge filters, 80/20 blend, 180ft <sup>2</sup> of filter media per filter.
<b>Spark Arrestor</b>	Double layered spark arrestor to catch residual particulate and reduce fire hazard.
<b>Self Cleaning</b>	Pulse using 80 psi of compressed air. Variable venturi pulse throats and expansion cone. Goyen design system. Manual or Auto Pulse options available.
<b>Dust Pans</b>	Removable front and back dust pans for easy cleanout and maintenance.
<b>Electrical</b>	Units come pre-wired with magnetic motor starter, thermally protected.
<b>Lighting</b>	Standard on booth models, optional on table models. 2 bulb fluorescent.
<b>Motor/Blower</b>	5 HP 230/460 volt, 3 phase, TEFC blower motor 14.0 / 7.0 amps. Higher HP motor available. Fan is backward inclined.
<b>Capture Velocity</b>	250 - 350 FPM depending on size of unit.
<b>Air Volume</b>	3,000 CFM @ 7"w.g. - self contained. 68% through table surface and 32% through vented back.
<b>Sound</b>	Ranges from 82 - 86 dB at operator working zone. Silencer package available.
<b>Magnehelic Gauge</b>	Indicates when filters should be checked and/or changed.
<b>Unit Weight</b>	Varies based on size. Range from 1,200 to 1,500 lbs. uncrated.
<b>Caster Wheels</b>	Optional heavy duty 3.5" caster wheels for ease of movement.
<b>Assembly</b>	None required. Ships complete, FOB Commerce City, CO
<b>Regulatory</b>	Helps meet OSHA Standard 1910.1000 (air contaminants).

## RENDERING - Self-Cleaning Downdraft Table

