



Walk-In Clean Air Stations

Self Contained Air Filtration Equipment Using Patented DualDraw® Airflow Technology

DualDraw Walk-In Clean Air Stations are designed to address the most challenging indoor air quality problems. Operators that work on large or awkward parts oftentimes cannot easily place them under a fume arm or on top of downdraft table. Therefore, breathing zones are left unprotected and operator health is compromised. Additionally, cross contamination of plant equipment by airborne dust is left unchecked. Walk-In Clean Air Stations address these challenges – they are self-contained filtration rooms that enclose applications generating harmful dust, smoke, or fumes.

Units are sized based on the application in question and are equipped with a unique slotted adjustable tube regain air system. Each Walk-In Clean Air Station incorporates the patented DualDraw airflow design combined with a filter system specifically designed to handle the particular hazard.

The DualDraw approach to downdraft quality and performance is unique in the marketplace – we guarantee your satisfaction.



**W18/8 8' Walk-In
Clean Air Station**



**W114/8 14' Walk-In Clean Air Station for
Deburring of Aluminum Aircraft Parts**



**W116/8 16' Walk-In
Clean Air Station**



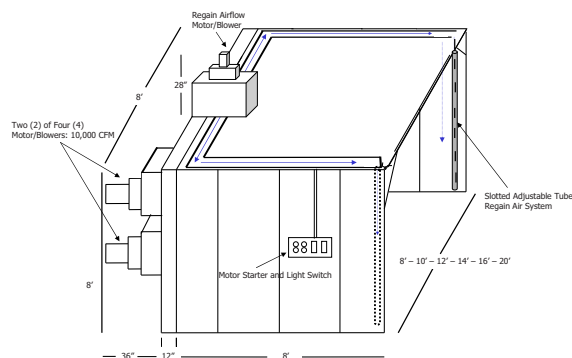


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SPECIFICATIONS

DESIGN NAME:	DualDraw Walk-In Clean Air Station
STANDARD MODELS:	W18/8 (8' W Station), W10/8 (10' W Station), W12/8 (12' Station), W14/8 (14' Station), W16/8 (16' Station), W120/8 (20' Station). Low Flow or High Flow. Filter system options: Dust Collection, Aluminum Dust Collection, Smoke/Fume Removal, HEPA. Stations area also available with a wet collection filter system for exotic metals such as magnesium.
GENERAL SPECIFICATIONS:	
Characteristics	Patented DualDraw design: even distribution of airflow across a perforated power wall. Modular fastening system provides design flexibility to meet customer requirements in a cost-effective manner. Self contained solution; no outdoor exhausting necessary. Units do not require water or compressed air and come with easy to maintain, front accessible clean-out trays.
Filtration Systems	Filtration systems attach to the back side of the Station and extend the depth of the unit anywhere from 36" to 48". Choose between dust collection, aluminum dust collection, smoke or fume removal, HEPA filtration, and wet collection. All filter systems come with easy to remove access doors for filter maintenance.
Available Sizes	Standard widths are 8', 10', 12', 14', 16', and 20'. Standard depth of the Station is 8' and standard height is 8'. Station footprint extends an additional 36" to 48" to account for the motor/blower and filter housing. Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Work Area	The work area ranges from 64ft ² to 160ft ² based on size of Station.
Powerwall Construction	The Powerwall consists of 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 back draft across the wall.
Enclosure	From one (1) to four (4) Powerwalls depending on size. 12-16 gauge modular body construction. 0.8 Aluminum side and roof panels.
Finish	Blue polyurethane/epoxy paint for frame; aluminum non-sparking, non-glare for body, interior walls, and roof.
Filters	A set of new filters are included with the unit. Discount replacement filter kits are available through the DualDraw website. The following filter types come with the unit depending upon operator application: <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. • Standard 24" x 24" x 2" activated carbon filter for fume removal. 6 lbs. • Optional 24" x 24" x 11.5" HEPA filter. 99.97% efficient to 0.3 microns. MERV 17. • Optional 24" x 24" x 12" activated carbon filter. Heavy-duty. 60 lbs.
Dust Pans	Removable front dust pans/clean out trays for easy access and maintenance.
Electrical	Units come pre-wired with thermally protected manual motor starters. Magnetic motor starter optional. Manual motor starter for Regain Air System and Station lighting are independently switched but located in close proximity to blower starter.
Lighting	Standard 48" 2 bulb fluorescent ceiling fixtures and bulbs.
Motor	Three phase 208/230/460V, TEFC, 60HZ, 3 HP motors. Number of motors used ranges from four (4) to sixteen (16).
Booth Face Velocity	Ranges from 80 to 225 FPM depending on application and customer requirement.
Air Volume	Standard CFM ranges from 8,000 to 40,000 depending on Station size.
Sound	Ranges from 74 - 76 dB at operator work zone. Optional silencer package.
Magnehelic Gauges	Pressure gauges provide indication of when filters should be checked.
Unit Weight	Varies based on size. Stations can weigh up to 4,000 lbs for the larger units.
Assembly	Requires a forklift and two (2) resources. Factory supervision or installation resources available. Ships FOB Commerce City, CO.
Regulatory	Helps meet OSHA Standard 1910.1000 (air contaminants). For aluminum dust collection, complies with NFPA 484. Documentation available upon request.

RENDERING - W18/8 8' WALK-IN CLEAN AIR STATION



Contract Holder
FSS Contract
GS-25F-0161M

