



Stand Alone Filter Systems

Self-Contained Air Filtration Equipment Using DualDraw® Airflow Technology

The DualDraw Stand Alone Filter (SAF) System is a portable filter unit designed to collect dust and fumes with maximum versatility. SAF systems come standard with a duct connection flange for users to attach incoming ducting from accommodating tables, hoods, saws, grinding wheels, or other capture mechanisms. Each connection flange is sized based on the customer requirement.

A popular option to consider is the addition of a capture arm to the SAF. Articulating capture arms are an easy way to address an application that may not lend itself to a downdraft table. The addition of an arm also works well if the SAF will be used for various dust or fume collection purposes throughout a facility. Arms can be specified in many different sizes – a more common size is the 10'L fume arm as shown in the photo below.

Filter media for an SAF is based on user application and can be configured to handle a range of airborne hazards including welding fume, toxic vapors, deburr dust, combustible dust, and more. Media types include HEPA, activated carbon, box style, bags, and self-cleaning cartridge filtration. Each unit comes equipped with a differential pressure gauge to help operators identify when a filter change is necessary. The SAF is easy to maintain with accessible clean-out trays and a hand-accessed filter compartments. Solutions ship complete from the factory with fresh filters inside, caster wheels for portability, and a standard 115 plug to get your operation up and running in minutes.

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.



SAF for Dust - Painted Finish



SAF with Self-Cleaning Filters - Door Panel Removed



SAF with Capture Arm



SAF Ducted to Two Downdraft Tables



SAF for Fume





WWW.DUALDRAW.COM
800-977-2125

SPECIFICATIONS

Design Name	Stand Alone Filter Systems
Standard Models:	SAF-2000, SAF-3000, SAF-SC, SAF-FA
General Specifications	
Characteristics	The Stand Alone Portable Filtration System (SAF) provides maximum versatility for air pollution control. It ships complete on caster wheels and connects easily to ducting and hood systems. Self-contained air filtration solution; no outdoor exhausting necessary but can accommodate if necessary.
Filtration Systems	Choose between dust collection (including combustible dust), smoke or fume removal, and HEPA filtration. All filter systems come with a cleanout tray, a magnehelic gauge to monitor filter cleanliness, and an easy-to-remove access door for filter maintenance.
Dust	For dust producing applications, the unit is configured with a prefilter and a final dust bag filter. A washable metal spark arrester is also used for hot work/sparking applications. The standard prefilter is 40% efficient to a 0.7 μ and the final dust bag filter is 85% efficient to 1.0 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. or 60 lbs. of activated carbon or a potassium permanganate/carbon blend filter is used depending on the volume and the chemistry of the fume based on MSDS reports.
HEPA	Optional High Efficiency Particulate Air filter are available for maximum filter efficiency. Standard HEPA filters are 99.97% efficient to 0.3 μ.
Cartridge	12.75" Ø x 26/30/34" L self-cleaning cartridge filters available for heavy loading applications. Various efficiency levels depending on application.
Available Sizes	The standard footprint of the SAF for dust is 40" D x 25" W x 80" H. For fumes the footprint is 25" D x 25" W x 48" H. Flexible design construction allows customers to cost-effectively specify non-standard sizes.
Optional Capture Arm	Optional capture arms provide operators with an easy solution to challenging collection needs. Standard articulated arms can be positioned in a variety of ways that allow for maximum versatility during dust or fume capture.
Cabinet	12-16 gauge modular body construction.
Finish	Electro-galvanized, galaxy finish. Stainless steel or powder coat paint available as an option.
Filters	A set of new filters is 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 30" 10-pocket dust bag filter. 85% efficient to 1.0 μ. MERV 13. • Standard 12.75" Ø x 26/30/34" L x 30" Cartridge filters, various MERV ratings. • Optional 24" x 24" x 11.5" HEPA filter. 99.97% efficient to 0.3 μ. MERV 17. • Standard 24" x 24" x 2" activated carbon filter for fume removal. Light and medium-duty, 6 lbs ea. • Optional 24" x 24" x 12" activated carbon filter for fume removal. Heavy-duty, 60 lbs.
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. Removable and washable.
Dust Pans	Standard easy-access cleanout tray in filter housing.
Electrical	Units come pre-wired with a thermally protected manual motor starter. NEMA 12/4X enclosure.
Motor	Single phase 115/220V or three phase 230/460V. Horsepower ranges from 3/4 to 20 HP. Units configured to capture combustible dust come with a non-sparking fan wheel, AMCA rated.
Capture and Transport Velocity	Will depend on the final user configuration including duct size/length and final hood/table arrangement. Transport velocity anywhere from 3,000 feet per minute for lighter dust/fume to 4,500+ for combustible metal dust.
Air Volume	Low flow and high flow options available. CFM ranges from 500 to 10,000 on standard units.
Sound	Ranges from 68 - 72 dB at operator work zone. Optional silencer package.
Magnehelic Gauge	Differential pressure gauge provides indication of when filters should be checked. Audible and visual alarm package available as option.
Unit Weight	Approximately 300 lbs. on standard units, can be up to 1,500 lbs.
Caster wheels	Heavy-duty 3.5" caster wheels for ease of movement.
Assembly	Units ship complete. External ducting will need to be attached to intake on-site at customer location.
Shipping	FOB Denver, CO. Discounted freight rates available.
Start-up and Training	Typically not required but available upon request. Includes equipment optimization and operator training.
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. Units configured to capture combustible dust comply with NFPA combustible dust standards.

RENDERING - Stand Alone Filter Systems

