

DEMONSTRATION FUME HOODS

Enhanced Visibility



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This general chemistry Demonstration fume hood with double-sided sashes is designed for increased visibility of the room. This hood is commonly used in educational institutions allowing for demonstration and observation inside the hood from both sides. This hood is commonly installed in the wall between a classroom and a prep room and can also be utilized free-standing.



Safety

Safety is enhanced because instructors or supervisors can readily observe any hazardous situations that may occur inside the hood chamber. This hood meets stringent performance requirements: UL Classified to UL1805, CSA Certified to CSA C22.2 No. 61010, UL Standard 61010-1 and tested in accordance with ASHRAE 110.

Demonstration Fume Hoods

Designed for use in either Constant Air Volume (CAV) or Variable Air Volume (VAV) applications. We manufacture our Pro Series Demonstration bench top fume hoods as outlined below. However, today's laboratories often require customization, and to meet your unique needs, we can configure and manufacture to meet your specific requirements. Simply contact us with your needs!



Counterbalance System - High quality stainless steel cable system provides economical and reliable operation; tested to 100,000 cycles with no failure.

Sash Design - 6mm laminated safety glass is provided with a stainless steel handle and side runners. Tempered glass, or polycarbonate are available for special applications.

Sash System - Hoods are supplied with two vertical rising sashes.

Viewing Sash - Provides a clear and unobstructed side to side view of fume hood interior, with a 30" high viewing area.

Electrical - Four UL/CSA approved duplex receptacles provided for 120 volt service, one on each corner post. There are other additional powering options. UL/CSA approved LED light fixture and three-way light switch on both sides of hood provided.

Chemical Resistant Liner - Standard fiberglass reinforced polyester (FRP) has excellent strength, chemical resistance and flame spread. Additional liner materials are also available to meet special requirements.

Stainless Steel Type 316 Exhaust Collar - Round exhaust duct connection improves airflow distribution across the hood width and directly connects with the building ventilation system.

LED Lighting - Fume hoods have long lasting (50,000 hours) energy efficient UL/CSA approved LED lights separated from the fume hood chamber by 6mm safety glass.

Face Velocities - Designed for 80-100 feet per minute face velocities.

Access Panels - Interior gasketed access panel is on the same side wall as the plumbing and provides convenient access and prevents fume leakage outside the hood chamber. Exterior side panels are also removable for ease of access to plumbing and electrical service fixtures.

Plumbing - Two corner posts pre-punched to accept a maximum of 5 plumbing fittings per post, at one end, opposite end reserved for counterweights. Factory pre-plumbing is available as well as plumbing fixtures from most manufacturers.

Coating Finish & Color - A thermosetting laboratory grade powder coating delivers exceptional chemical and scratch resistance, excellent hardness, adhesion, and a quality luster. The long lasting finish is available with over 15 standard color options, including multiple color schemes, and color matching capabilities.



Stainless Steel Airfoil - Aerodynamic raised design allows air to enter the fume hood even when the sash is closed ensuring efficient fume exhaust. Notches in both corners allow electrical wiring or tubing into the fume hood while still permitting full closure of the sash. Powder coated stainless steel airfoils are also available.

Ideal For Demonstration & Viewing

Whether you are educating a classroom or performing job training, our Demonstration fume hood is a great choice when teaching and training others how to safely handle various materials, substances, and equipment, as the dual sashes provide a larger viewing area allowing enhanced visibility for students or trainees.

Optional Accessories

Complement your fume hood's functionality with a wide variety of options including: alarms, sash interlock, sash key with lock on both sashes, sash stops, sash pockets, hazardous location electrical, side glass viewing window, pass-throughs, pressure regulators, work surfaces, cupsinks, fire suppression and more...

Fully Accessible

These hoods have the general performance characteristics as Pro Series Demonstration fume hoods, with the addition that all services (plumbing fixtures, electrical outlets, switches, alarms) are located at an accessible height for wheel chair operators.

This fume hood is designed to be accessed from standing and sitting positions. To meet ADA requirements, the hood is designed to mount on a ADA height unit below the hood.



Base Configurations

We offer a full line of cabinets and tables that are designed as perfect base components for your fume hoods: table bases, insulated cabinets for solvents and flammables, corrosion resistant acid cabinets, vacuum pump cabinets or additional storage space.

