

mott
MANUFACTURING

ISO 9001:2015 REGISTERED

PRO SERIES FUME HOODS

Safety Assured



QUALITY BY DESIGN

Performance & Value

Pro Series fume hoods have been the foundation of our extensive fume hood offering. Engineered for durability, affordability, and safety, the Pro Series fume hood line has generations of successful installations around the world.



Pro Series Fume Hoods

General chemistry bench top hoods are the most frequently specified fume hoods and are requested in a wide variety of types and sizes. Mott's Pro series has an extensive offering of standard products coupled with our unparalleled ability to customize.

They are designed for use in either Constant Air Volume (CAV) or Variable Air Volume (VAV) applications and are available with optional an automatic sash closure and/or an integrated VAV system.

We manufacture our Pro Series 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!



Safety

Science often involves working with hazardous materials and Pro Series fume hoods are designed with safety in mind. Our hoods meet these 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. Mott builds fume hoods that are performance ready for your tough requirements.

Counterbalance Systems - Our heavy-duty chain and sprocket system delivers the easiest and most reliable sash operation available with an exceptionally long life span. Aircraft control cable quality stainless steel cable systems are available for more cost sensitive projects with very reliable operation and are 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 Systems - Hoods are available with vertical, combination (vertical/horizontal) and split postless type sashes.

Viewing Sash - Provides a clear and unobstructed side to side view of fume hood interior, with a 28-1/2" high viewing area. The sash frames are type 316 stainless steel for extra durability.

Plumbing - Both corner posts are pre-punched to accept five service fittings per post. Factory pre-plumbing is available as well as plumbing fixtures from most manufacturers.

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.

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

Face Velocities - Designed for 80-100 feet per minute face velocities with sashes fully open and lower velocities at lower working heights.

LED Lighting - All 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.

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

Access Panels - Interior gasketed access panels provide convenient access and prevent fume leakage outside the hood chamber (not provided on Perchloric and Radioisotope hoods). Exterior side panels are also removable for ease of access to plumbing and electrical service fixtures.

Electrical - Two UL/CSA approved duplex receptacles provided for 120 volt service, one on each corner post. There are many additional powering options.



Optional Flush Sill Airfoil - Low-profile hinged Type 316 powder coated stainless steel airfoil is flush with work surface to provide ergonomic and unobstructed access to the interior. These include a built-in containment trough as an additional level of user protection from spills.

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 20 standard color options, including multiple color schemes, and color matching capabilities.



Customization, It's Our Specialty

Reliable

Our fume hoods come in a variety of configurations designed for specific applications and can be made to match your specific size requirements in width, height and depth.

Bench Mounted

Bench mounted fume hoods allow work to be done at standing or sitting heights. With a range of sash styles and liner materials, this hood can provide safety and protection for a wide variety of benchtop applications.



Floor Mounted

This fume hood is freestanding and is available with various sash configurations. These hoods can allow for larger items to be wheeled in at floor level or can provide protection by containing large floor-mounted equipment.



ADA Accessible

These fume hoods are designed to meet ADA requirements for accessibility. With the proper base cabinet configuration, the hood services can be within accessibility guidelines. The combination sash also allows for ease of use from a seated position.

Special Applications

Our Pro Series line of fume hoods include specific models to meet a variety of specialized applications. Examples include: Demonstration, Perchloric Acid, Radioisotope, Acid Digestion, Hydrofluoric, Class 1 Div. 1. and Class 1 Div. 2 models. They are available in almost unlimited sizes and with wide-ranging options.

Energy Saving Options

Automatic Sash Closing System

For increased safety and energy savings our ASO2 Plus is an electronic occupancy sensor system that closes the sash automatically when the operator moves away from the fume hood.

Integrated VAV System

Make VAV controls and damper components a harmonious part of your fume hood with Mott's Integrated Variable Air Volume System. It includes a controller and a quick and precise actuator.

Self-Lowering Sash System

When raised above the working height and released, the sash will gently self-lower itself back to the preset working height, providing consistent sash protection to users, and saving energy when used with VAV systems. When moving the sash within the working height range, the sash stays exactly where you position it.



Fully Accessible Door System

Our Tri-Access door system allows conversion from horizontal sliders to a hinged pivot that provides a 100% access opening: all done in 20 seconds with no tools!

It's a major increase in efficiency and offers a much quicker and safer access for end users.



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.

Optional Accessories

Complement your fume hood's functionality with a wide variety of options including: alarms, apparatus rods, tissue screens, sash stops, sash pockets, hazardous location electrical, glass bypass viewing, pass-throughs, pressure regulators, work surfaces, cupsinks, fire suppression and more...

Products **designed** for your lab.
Explore our **solutions**.

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