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MANUFACTURING

ISO 9001:2015 REGISTERED

RFV2™ FUME HOODS

High **Performance**



QUALITY BY DESIGN

Energy Savings

Our original high performance fume hood provides the operator with a secure and reliable operating environment while providing considerable capital and operating cost savings. This fume hood has been tested to both standard and modified ASHRAE procedures at face velocities as low as 50 fpm.



RFV2™ Fume Hoods

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

We manufacture our RFV2™ 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 exact specifications. Simply contact us with your needs!



Chain Drive Sash - Our heavy-duty chain and sprocket system delivers the easiest and most reliable sash operation available with an exceptionally long life span.

Stainless Steel Type 316 Exhaust Collar - Wide rectangular exhaust duct connection improves airflow distribution across hood width. Transition connection to round duct available.

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

Sash Systems - Hoods are available with vertical, combination (vertical/horizontal) and split postless type sashes.

Full Viewing Sash - Provides a clear and unobstructed side to side view of fume hood interior, with a 34" high viewing area.

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

Self-Lowering Sash System - Sash latch temporarily secures the sash in the full open position for setup and tear down operations. When the latch is disengaged, the sash automatically returns to the 18" open operational position which offers extra protection to the operator and helps reduce energy consumption. Below 18" the sash is equally balanced and will remain where positioned.

Baffle Design - Downflow rear baffle is biased to the bottom, drawing fumes downward away from the user and counteracts the normal upward flow of vapors and prevents contaminated air build up behind the closed sash. Supplementary mechanical fans not required.

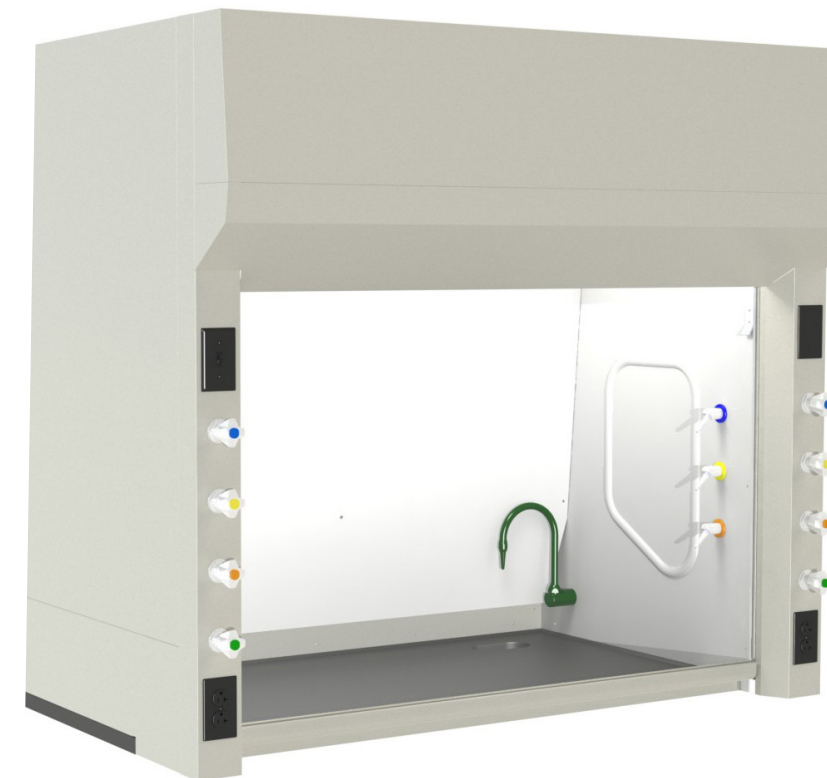
LED Lighting - All fume hoods have long lasting (50,000 hours) energy efficient UL/CSA approved LED lights separated from the fume hood chamber by 6mm safety glass.

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. 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.

Performance Sash Handle - Powder coated stainless steel handle incorporates an airfoil design providing improved airflow along the lower edge of the sash to prevent turbulence from disturbing the process or user.



Flush Sill Airfoil With Containment Trough - Low-profile hinged Type 316 powder coated stainless steel airfoil is moved rearward to allow air to flow into the critical low pressure zone between the user's torso and the hood chamber preventing fumes from building up in that area. Airfoil is flush with the work surface providing unobstructed access to the fume hood interior and includes a built-in containment trough as an additional level of user protection from spills. Power cords can be run through the sill to the electrical outlets on the hood posts.

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.

Safety

RFV2™ hoods provide the operator with a safe and reliable operating environment while meeting 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. These hoods are performance ready for your demanding requirements.



More Light

Optional back and side viewing windows brings natural light into the fume hood, coupled with bright energy efficient LED lights offers an extremely uniform well-lit interior.



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.



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...

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.

