OPTIMA™ FUME HOODS

Ultimate **Versatility**

QUALITY BY DESIGN

Evolves With Your Needs

The adaptable Optima™ fume hood has an instantly adjustable work surface that improves ergonomics and accommodates persons with disabilities. With its sleek and stylish design the Optima™ fume hood brings versatility to a whole new level.

Designed for 80-100 feet per minute face velocities this hood is available in various sizes and sash configurations all with enhanced features.

Personalized Ergonomics

The Optima™ hood is perfect for tenant space where the users are not defined. Allows for personalized ergonmics and changing lab processes.

Safety

Optima™ hoods provide the operator with a secure and dependable 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.

Optima™ Fume Hoods

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

We manufacture our Optima™ 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!

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 Exhaust Collar - Round collar with radiused corners allows for direct connection to exhaust duct to minimize static pressure losses and exhaust noise levels.

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 and combination type sashes.

Optimized Interior Working Area - Achieved through sleek side posts and a minimized frame. 38" to 45" viewing height.

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.

Plumbing - Fixture holes are punched only as ordered. For ADA applications a maximum of three fixtures per side only if the bottom fixture is for cold water. For standard applications corner posts can accept a maximum of five fixtures per side. Factory pre-plumbing is available as well as plumbing fixtures from a variety of 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 - Baffle system that automatically adjusts with the moving work surface for consistently safe airflow through the fume hood at any worktop height.

Self-Supporting Structure - The self supporting structure allows for slide-in or mobile cabinets allowing for easy reconfiguration.

Flush Sill Airfoil With Containment Trough - 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. Power cords can be run through the sill to the electrical outlets on the hood posts.

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.

Exhaust System - Restricted upper by-pass is optional for VAV use.

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 specific requirements.

Adjustable Work Surface - Electro-hydraulic height adjustable work surface with motor has the flexibility to be raised or lowered from 30" to 36" high. Standard white dished epoxy work top with optional cup sink; additional work surface materials are also available. If cup sink is required, telescoping drain with a fixed drain cover is provided. Check local code compliance.

Electrical - Controls are conveniently located in the recessed apron pockets. Two UL/CSA approved duplex receptacles provided for 120 volt service. UL/CSA approved light switch provided. Additional powering options available.

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.

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.

Energy Saving Option

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 hood.

Optional Accessories

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

Storage Possibilities

We offer a full line of mobile or slide-in cabinets that are designed as perfect base storage for your fume hoods: insulated cabinets for solvents and flammables, corrosion resistant acid cabinets, and vacuum pump cabinets.

mott
GROUP OF COMPANIES

QUALITY BY DESIGN

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