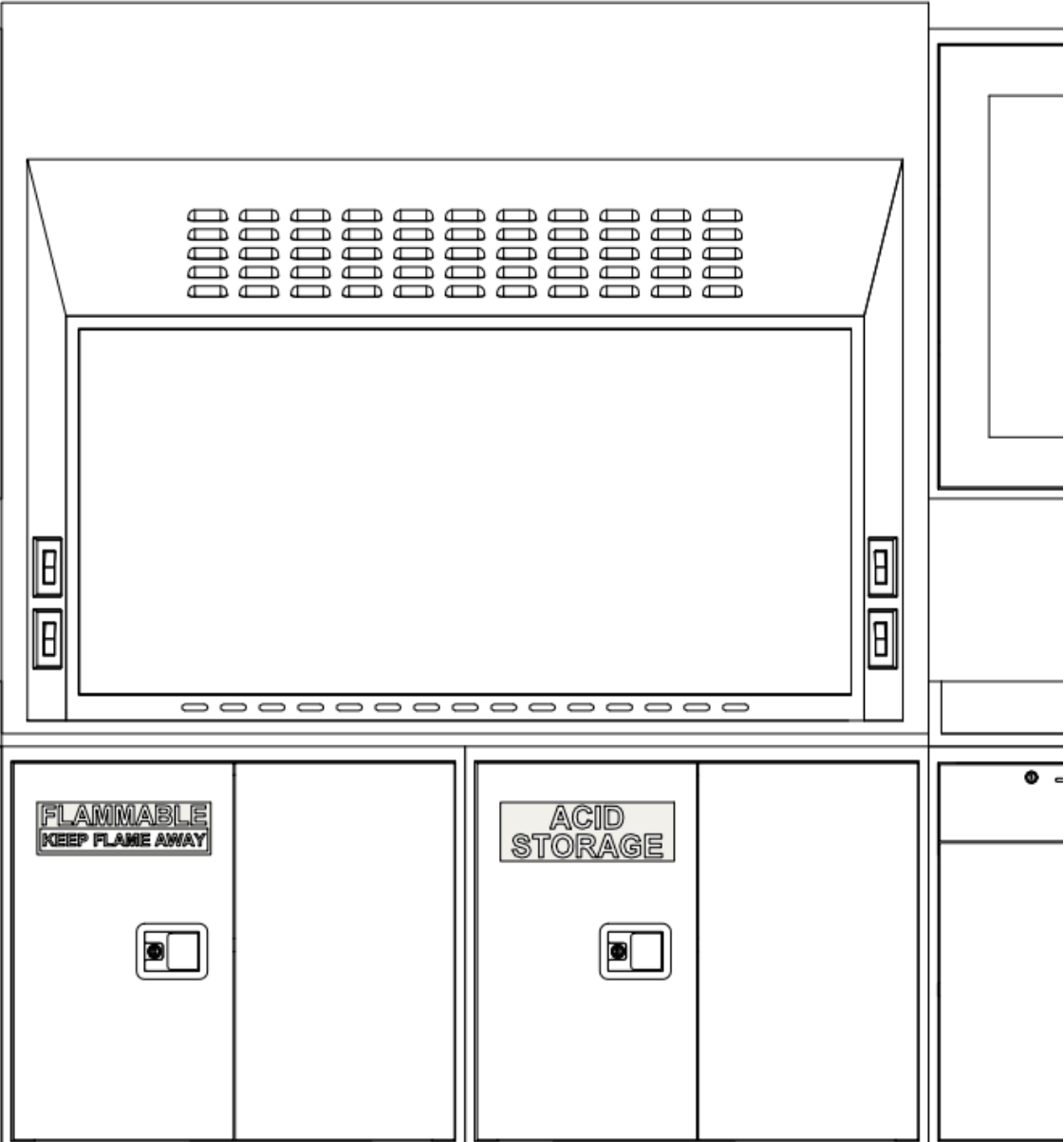


ONEPOINTE SOLUTIONS

LABORATORY | INDUSTRIAL | COMMERCIAL

LABORATORY FUME HOODS



OPERATION & MAINTENANCE GUIDE

Overview

We are honored that you have chosen our fume hood(s) for your laboratory, industrial or commercial needs.

At OnePointe Solutions, we are continually improving the quality and versatility of our products to solve complex workspace issues. We strive to exceed each customer's expectations via our products and our outstanding customer support.

Our goal is to bring about change through better designs, higher quality components, and customer service that is second to none. Whether your project calls for a single cabinet, a few countertops, enough furniture for a multi-floor lab facility or something in between we've got you covered!

To help you keep your fume hood working as it should, we have prepared for you this manual guide with operation and maintenance guidelines. For more information on your fume hood, please contact your OnePointe Solutions sales representative.

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Contact Us

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Operation Recommendations

USE

- 1.1 Limit laboratory fume hood use to those activities for which the unit is designed. Alternative devices, such as safety cabinets or glove boxes, should be used when appropriate.
- 1.2 Only specially designed laboratory fume hoods should be used for perchloric acid work. This fume hood type should be labeled and its use should be limited to perchloric acid procedures.
- 1.3 Use of laboratory fume hoods as storage enclosures for corrosive, toxic, or flammable materials may jeopardize fume hood performance and create unnecessary hazards. Limit materials within the hood to those required for immediate use.

General Operations

- 2.1 Turn on interior light for proper illumination of work area.
- 2.2 Verify that exhaust system is operating properly and that air is entering and flowing through the fume hood before starting fume producing activities.
- 2.3 Safe and proper fume hood operation requires an understanding of the function of fume hood baffles and various baffle settings. Different fume hood designs require variations in baffle settings. Operators must adhere to fume hood manufacturer's instruction relative to baffle position for safe and efficient function.
- 2.4 Set-ups and apparatus should be as far back from the fume hood face as possible for safety and optimum performance. A set back of six inches is necessary for proper fume hood operation. Avoid blocking baffle openings.
- 2.5 Large bulky objects should not be placed directly on fume hood working surface. Block up two or three inches to allow a flow of air under the object and into lower rear baffle exhaust opening.
- 2.6 Avoid rapid movement and excessive personnel passage in front of the fume hood. Air disturbances so created may draw fumes out of the hood.
- 2.7 The laboratory fume hood sash is designed to be used as a safety shield. Move vertical type sash to the lowest position that provides proper access and carry out manipulations with sash protecting head and upper body. When feasible, use horizontal sliding sash as a face and body shield.
- 2.8 As a safety precaution, avoid placing head inside of the laboratory fume hood.
- 2.9 On fume hoods without a bypass, avoid closing sash completely when the blower is on and the fume hood is in use.
- 2.10 Laboratory fume hood sash should be kept closed when the exhaust system is turned off and the hood is not in use.
- 2.11 Never permit the temperature of inside sash surface to reach or exceed 160° F., unless the sash material is the heat resistant type.

Operation of Perchloric Acid Fume Hoods

CAUTION: Only personnel fully cognizant with the properties of perchloric acid and the hazards associated with it should perform perchloric acid procedures.

- 3.1 Use only specifically designed laboratory fume hoods for perchloric acid. This type of fume hood should be so labeled and not used as a general purpose laboratory fume hood. Miscellaneous work should not be performed in perchloric acid fume hoods because of extreme hazards.
- 3.2 Follow all operations of general purpose laboratory fume hoods (Section 2.1 through 2.11).
- 3.3 Safety requires regular water wash down of fume hood interior, duct work, and blower after use or preferably after each experiment.
- 3.4 Remove baffle(s) for access to all surfaces and follow wash down procedures with detailed inspection. Flush away any deposits.
- 3.5 Utilize smallest quantities of perchloric acid to fit procedural requirements.
- 3.6 Spark producing apparatus should not be used inside a perchloric acid fume hood.
- 3.7 All apparatus used within the hood interior should have inorganic coatings and lubricants.

Inspection & Maintenance

Inspection

- 4.1 Safety considerations require that a schedule of inspection and documentation be set up for every laboratory fume hood at least annually.
- 4.2 An inspection record should be maintained. This record may be in the form of a label attached to the fume hood, or a log held by the laboratory director or health safety director.
- 4.3 Inspection procedures should include instrument verification of fume hood face velocity and a determination of usage by observation and interview.
- 4.4 Inspection procedures should consist of a physical examination of liner condition and cleanliness, baffle and sash operation and condition, counter balance cables, light operation and condition, and service fixture function.
- 4.5 Inspection results should be recorded and reported to the proper authority for any required action.

Note: Special purpose fume hoods such as those used with radioactive materials or perchloric acid require additional inspection procedures to cover special equipment and requirements.

- 4.6 Options; such as low air flow detectors, when installed, should be inspected at least annually. Where extremely hazardous or corrosive conditions exist or when filters are present in the system, the inspection frequency should be increased appropriately.

Velocity and pressure sensing detectors should be tested at each inspection. Low-flow or no-flow alarms of the visible (lights) or audible (horns or bells) type should be tested for correct operation at least at each inspection.

Signal transmission for alarms designed to activate signals at more than one location should be verified at each location during each inspection. When air flow detectors are not provided, or measured air flow tests are not made quarterly, fan belts should be inspected quarterly.

Frayed or broken belts should be replaced promptly. Where doublepulleys and belts are employed, the inspection frequency may be semi-annually.

Maintenance

- 5.1 Fume hood maintenance procedures consist primarily of clean up, adjustment, and replacement of worn, damaged or non-functioning parts. Use good housekeeping in laboratory fume hoods at all times.

Periodically clean sash, exterior and interior surface, including fluorescent light panel. Replace fluorescent lamps periodically to maintain adequate illumination.

- 5.2 Clean-up should be accomplished by, or under the supervision of, a knowledgeable laboratory safety officer and should include removal of the baffle for clean-up of all interior surfaces.
- 5.3 Lubrication of sash guides, cables, pulley wheels, and other working parts is not required.
- 5.4 Replace broken, worn, or non-functioning parts as required.
- 5.5 Flush all spills immediately using neutralizing compounds as required and clean thoroughly.

Note: Special parts, options, and accessories should be maintained as required.

Warranty

WHAT IS COVERED

OnePointe Solutions LLC (“OnePointe”) warrants the products sold are free of defects in materials or workmanship to the Purchaser under normal use and service for the warranty periods specified with the exceptions stated below.

WHO IS COVERED

This limited warranty only applies to an original Purchaser located in the United States, Canada, or Mexico.

HOW LONG COVERAGE LASTS

Coverage duration is dependent on the item(s) purchased, please reference the table below for details. Due to the custom nature of OnePointe’s products, there may be multiple items purchased, with different warranty durations.

All warranties start from the date of shipment and run concurrently.

Item	Duration	Item	Duration
Countertops		Workbench Accessories	
Epoxy Resin*	1 Year	Lighting*	1 Year
Phenolic Resin*	1 Year**	Power Distribution*	1 Year
Laminate	1 Year	Foot Options*	1 Year
Maple Block*	1 Year	Shelving	5 Years
Stainless Steel	1 Year	Hydraulic Lifts*	1 Year
High Density Polyethelene (HDPE)*	1 Year	Uprights	Lifetime
Workbench Frames		Suspended Cabinets	
Fully Welded	Lifetime	Integrated Technology*	1 Year
Bolt Together	5 Years	Electrostatic Discharge (ESD) Devices*	1 Year
Casework / Fume Hoods		Other Furnishings	
Metal	5 Years	Chairs*	15 Years
Metal w/ Wood Fascia	1 Year	Service Fixtures*	1 Year
Fume Hoods*	1 Year	Lab Flooring*	5 Years
Blowers*	1 Year	Flammable / Chemical Safety Storage Cabinets*	1 Year
*Item is supplied by a third party; specific warranty will be assigned to the fullest extent allowed. **10 Year Delamination Warranty			

WHAT IS NOT COVERED

Defects resulting from normal wear and tear, color/grain variations, changes in surface finishes due to exposure to light, faulty installation, operation, disassembly, or remodeling, or from misuse, misapplication, neglect, abuse, accident, alteration, or the lack of proper maintenance, storage, cleaning, and care are not covered by OnePointe’s limited warranty. Products that are exposed to extreme environmental conditions or that have been subject to improper storage are not covered by OnePointe’s limited warranty.

OnePointe does not provide warranty on components manufactured by others – only the original manufacturer’s warranty applies.



WHAT ONEPOINTE SOLUTIONS WILL DO

OnePointe, as its sole obligation, will repair or replace (at its option) any product, part, or component covered by this warranty which fails perform to the product's specifications. If OnePointe acknowledges that any such defects found within the warranty period are the result of faulty material or workmanship, will repair or replace the product, part, or component with a comparable product, part, or component at its own expense.

OnePointe may elect to provide on-site repair of defective product and in these cases, Buyer agrees to allow OnePointe factory technicians or authorized representative reasonable and timely access to jobsite during normal business hours. Repairs or replacement of product under warranty does not extend the original warranty period.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE FACE HEREOF INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.

The liability and remedy set forth above, in the event of a breach by OnePointe of its warranties set forth above or any of the covenants or agreements relating to the sale of the products to the Purchaser, shall be the sole and exclusive remedy to the Purchaser.

In no event shall OnePointe's liability exceed the amount paid, excluding installation, by the Purchaser to OnePointe or any of its dealers or agents for the products to which the breach applies.

In no event shall OnePointe be liable to the Purchaser for any consequential or indirect damages including, but not limited to, loss of income, revenue, or profits in the event of a breach of any of the warranties or other covenants made by OnePointe with respect to the sale of OnePointe products to the Purchaser. The foregoing may not be modified except by a written amendment signed by OnePointe.

The Purchaser, by accepting delivery of any product manufactured by OnePointe, hereby accepts the foregoing, and expressly waives any other remedy and damages, direct, indirect, and consequential.

HOW TO GET SERVICE

Contact OnePointe Solutions for any warranty questions or claims by phone **512.652.6292**, or email **warranty@onepointesolutions.com**. No product or parts thereof shall be returned to OnePointe or any of its dealers or agents without OnePointe's prior written consent.

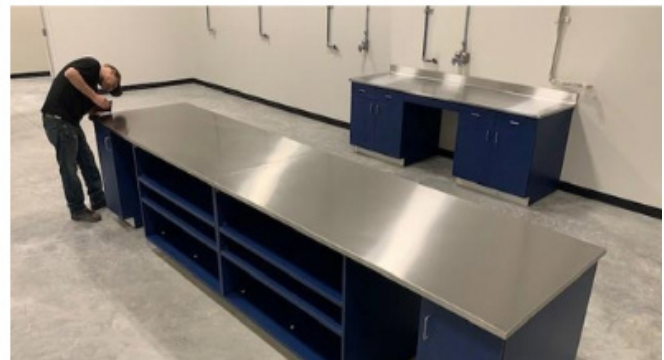
Product returned to OnePointe shall be shipped at buyers cost and risk of loss. Replacement product shall be returned at OnePointe's cost and risk of loss.

HOW STATE LAW APPLIES

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NATIONWIDE SERVICE

Our team travels to you to make sure that we understand your needs, get the right measurements, and install the final product on time. Our projects can be found in: New York, Chicago, Los Angeles, San Antonio, Dallas, Houston, Atlanta, Cheyenne, Des Moines, San Diego, Washington DC, San Francisco, Nashville, Honolulu, and just about everywhere else. Want to view a reference project in your area? Just ask!



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