LAB SETUP AMERICA

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PERCHLORIC ACID HOOD



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F-500 Isolator Gen-5 Perchloric Acid Fume Hood - Frameless Vertical Sash

ISOLATOR Gen-5 Perchloric Bench Fume Hood - This special purpose fume hood is designed to meet most laboratory Constant Air Volume (CAV) or Variable Air Volume (VAV) requirements and supplied with and automatic compensating upper by-pass. For VAV, use option MOD-0004 for a restricted by-pass position of observation glass. Designed to mount on a 31" deep counter top. The ISOLATOR perchloric acid fume hood with a frameless vertical sash features a type 316 stainless steel liner and baffles with coving on all containment chamber corners. Also included is a washdown system designed to carry away potentially explosive perchloric acid salts through a 4" to 5 3/4" sloped trench with a single drain. The ISOLATOR Gen-5 Perchloric bench mounted fume hood is supplied with the following standard features:

Counter Balance Systems - Chain and sprocket system delivers the easiest and most reliable sash operation available with an exceptional product life-cycle ISOLATOR drive system provides economical and reliable operation; tested to over 1 million cycles with no failure.

Sash Design - 1/4" thick tempered safety glass is provided with a stainless steel handle. Optional laminated safety glass available for special applications. Hood has a frameless vertical sash with a 42"
exterior sightline.

Lower Airfoil - Aerodynamic flush sill design allows air to enter the fume hood even when the sash is closed ensuring efficient fume exhaust. The flip up safety trough cover allows electrical wiring or tubing into the fume hood while still permitting full closure of the sash.

Interior - Stainless Steel Type 316 Liner and integral type 316 stainless steel worktop with trench drain and washdown setup

Stainless Steel Type 316 Exhaust Collar - Round collar which allows for direct connection to typical exhaust ducts to reduce duct transition costs, minimize static pressure losses and exhaust noise levels.

Electrical - Two UL/CSA approved duplex receptacles provided for 120 volt service, one on each corner post. UL/CSA approved LED light fixture and switch provided. Explosion proof fixtures are available options.

Plumbing - Both corner posts are pre-punched to accept a maximum of five plumbing fittings per post. Factory pre-plumbing is available as well as plumbing fixtures from a variety of manufacturers to meet most plumbing needs. Includes integral chamber washdown system

Access Panels - Interior overlay style access panels provide convenient access and prevent accidental removal. Exterior side panels are also removable for ease of access to plumbing and electrical service fixtures.

Standards - UL 1805 Classified and tested in accordance with ASHRAE 110. Test results available upon request.



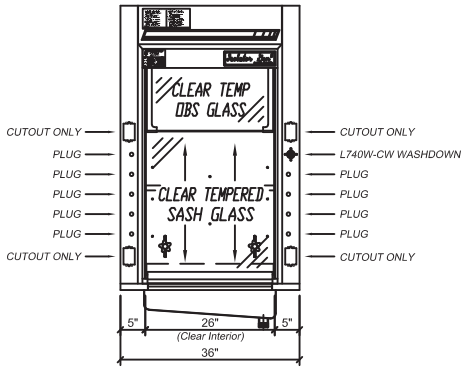
Rendering shown with optional features

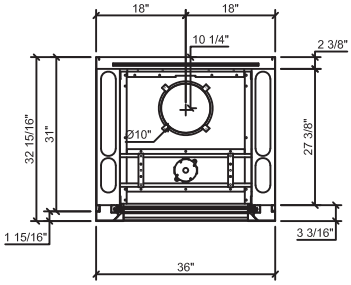
Catalog Number	Width	Clear Interior Depth	Duct Diameter	28" Open @ 100 FPM	18" Open @ 100 FPM
F-500-36G5	36"	24"	1:10"	506 CFM @ .14" SP	325 CFM @ .06" SP
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F-500-96G5	96"	24"	2:10"	1672 CFM @ .37" SP	1075 CFM @ .15" SP

*SPECIAL NOTES: Perchloric hoods attached to long runs of ductwork require solenoid activated, electronically sequenced spray head activation to assure the flow rate into the fume hood washdown trench never exceeds the
45 GPM overflow rate. Any blower purchased to exhaust this hood should have internal washdown capability and be lubricated with fluorocarbon grease and oil.

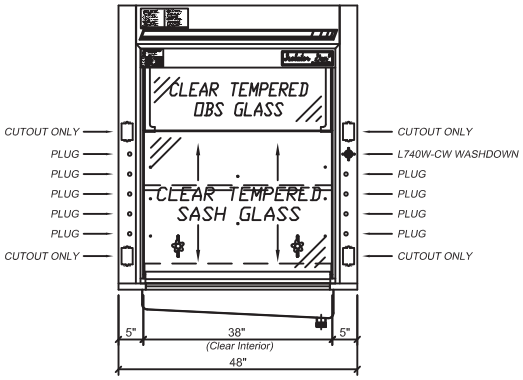
F-500 Gen-5 Perchloric Acid Bench Hood

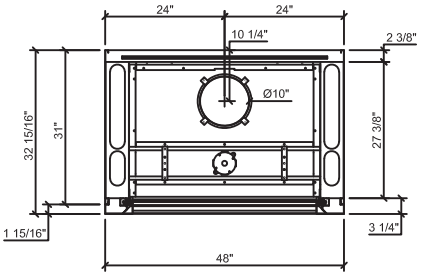
F-500-36G5 - 36" Wide



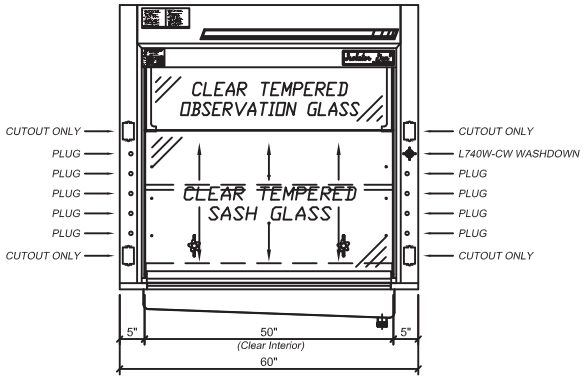


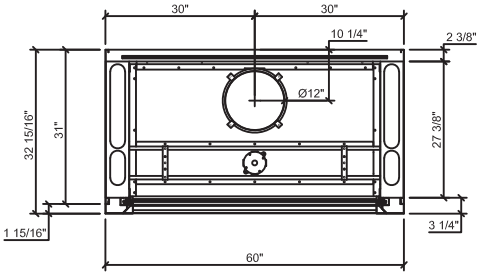
F-500-48G5 - 48" Wide



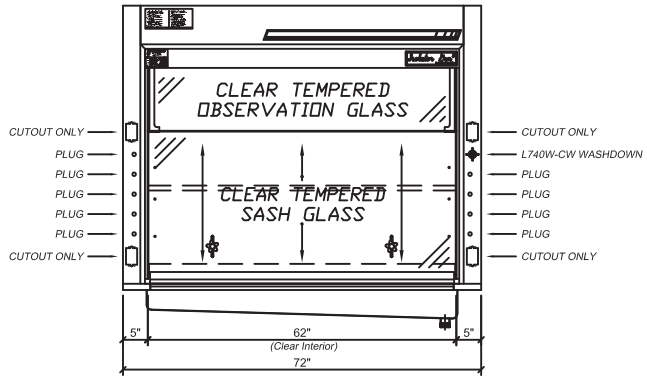


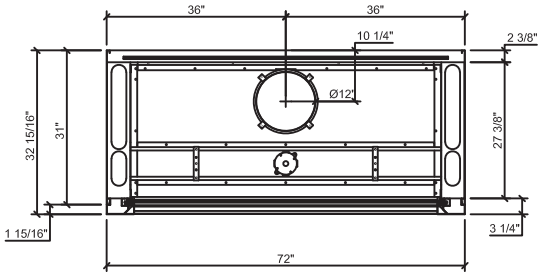
F-500-60G5 - 60" Wide



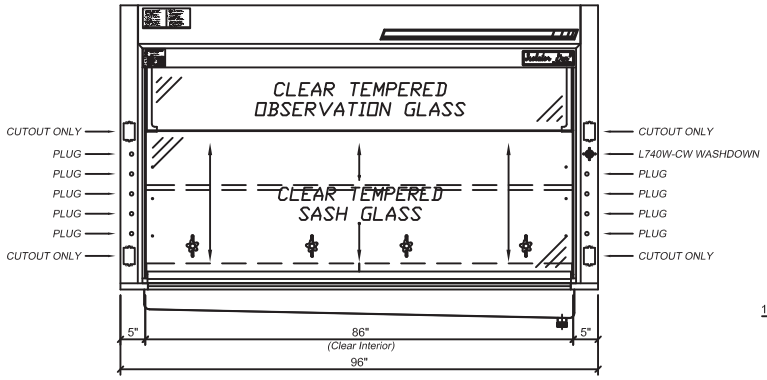


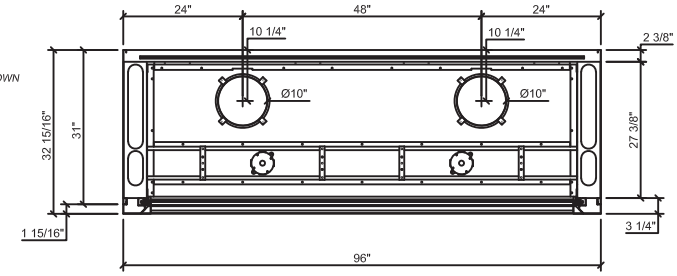
F-500-72G5 - 72" Wide



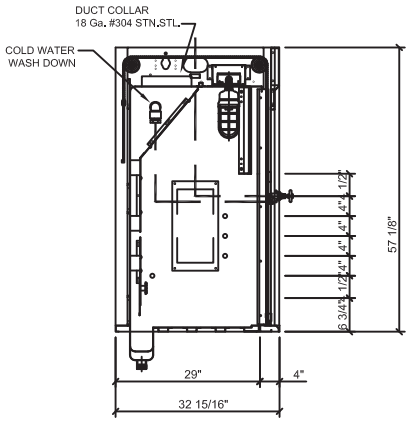


F-500-96G5 - 96" Wide





Section - Standard Depth



F-503 Gen-5 Perchloric Acid Bench Hood

F-503 Isolator Gen-5 Perchloric Acid Fume Hood - Framed Vertical Sash

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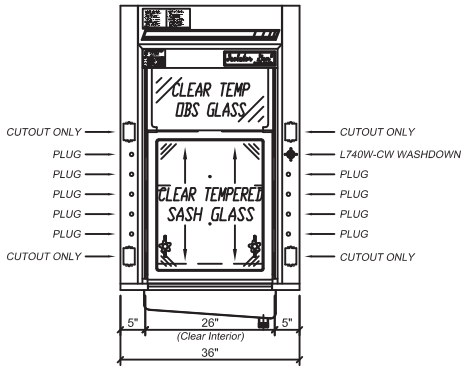


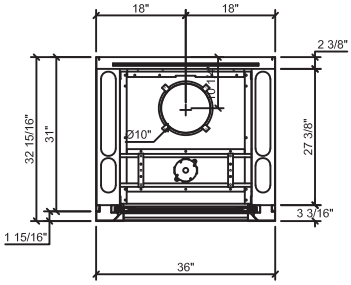
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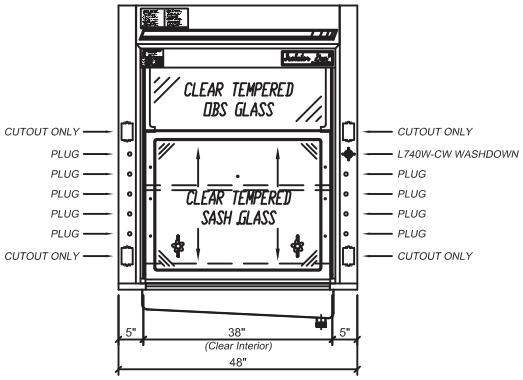
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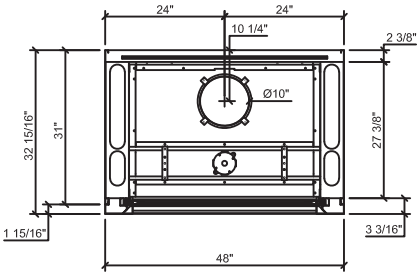
F-503-36G5 - 36" Wide



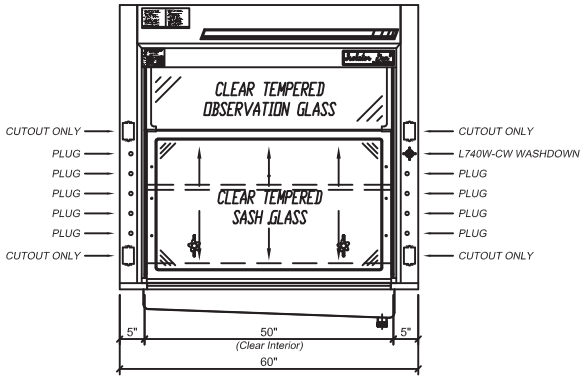


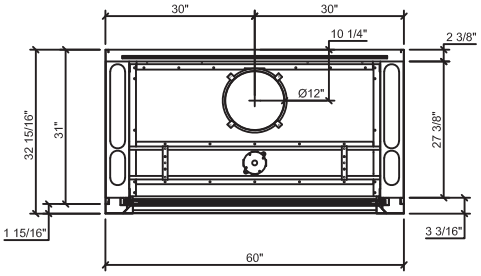
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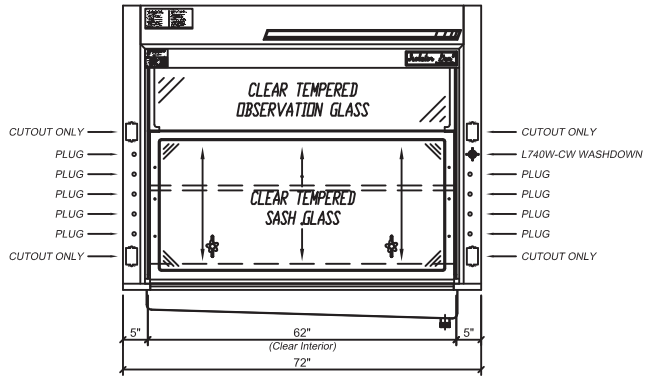
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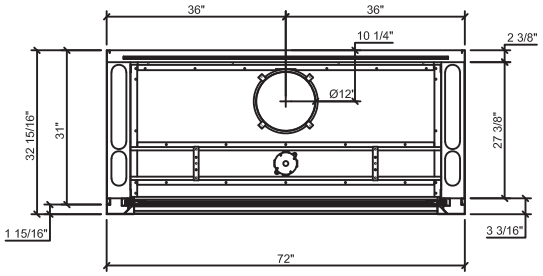




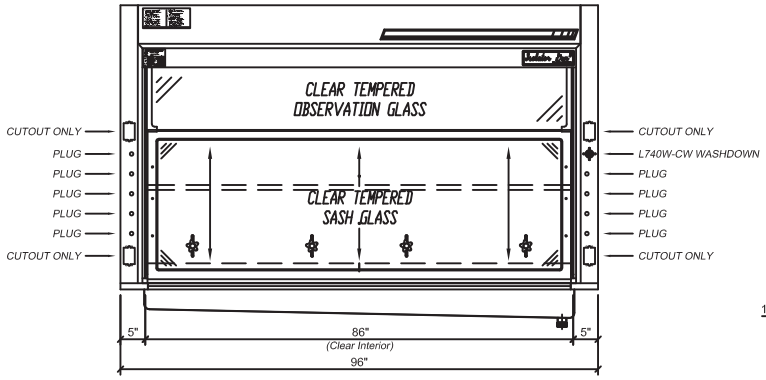
F-503 Gen-5 Perchloric Acid Bench Hood

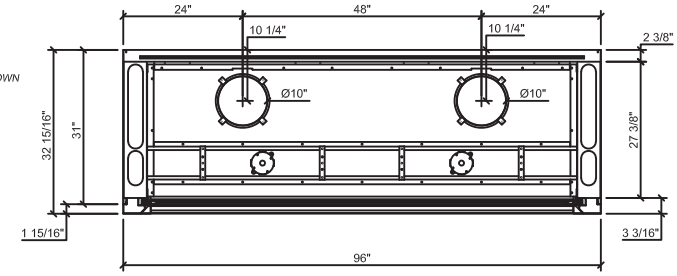
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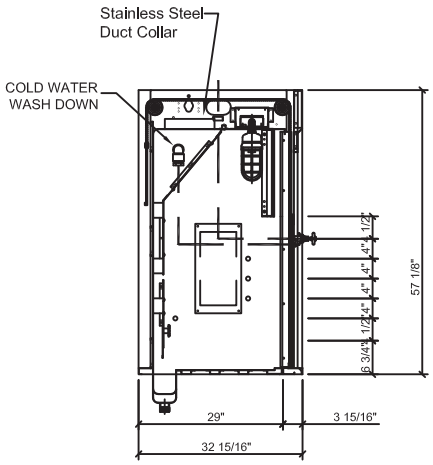


F-503-96G5 - 96" Wide





Section - Standard Depth





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