



# Workstation Industries

## Bi-Pass Fume Hood



Constructed of heavy duty painted steel, WSI hoods are constructed as a has a by-pass (protected by a top panel) which maintains a constant volume of airflow. As the sash is closed, air is by-passed the top of the hood, causing the hood face velocity to increase much more slowly than a conventional fume hood. A deflector vane across the bottom of the opening directs airflow across the work surface. This provides a permanent opening even when the sash is closed. Most of the exhausted air enters the fume hood through the by-pass. The analog air flow meter alarms when the blower shuts down. The cabinets are designed to have the hood sit on them. Lab Cabinets are all SIFA Approve

10" for 4ft 12" for 6ft  
duct collar

Over head light  
(2) light tubes

Air in-let for Bi-pass air

Chain driven sash

Electrical J box

Upper trim panel  
Optional slotted front  
trim for Bi-pass air

Blower on/off  
switch

Counter balanced  
safety sash

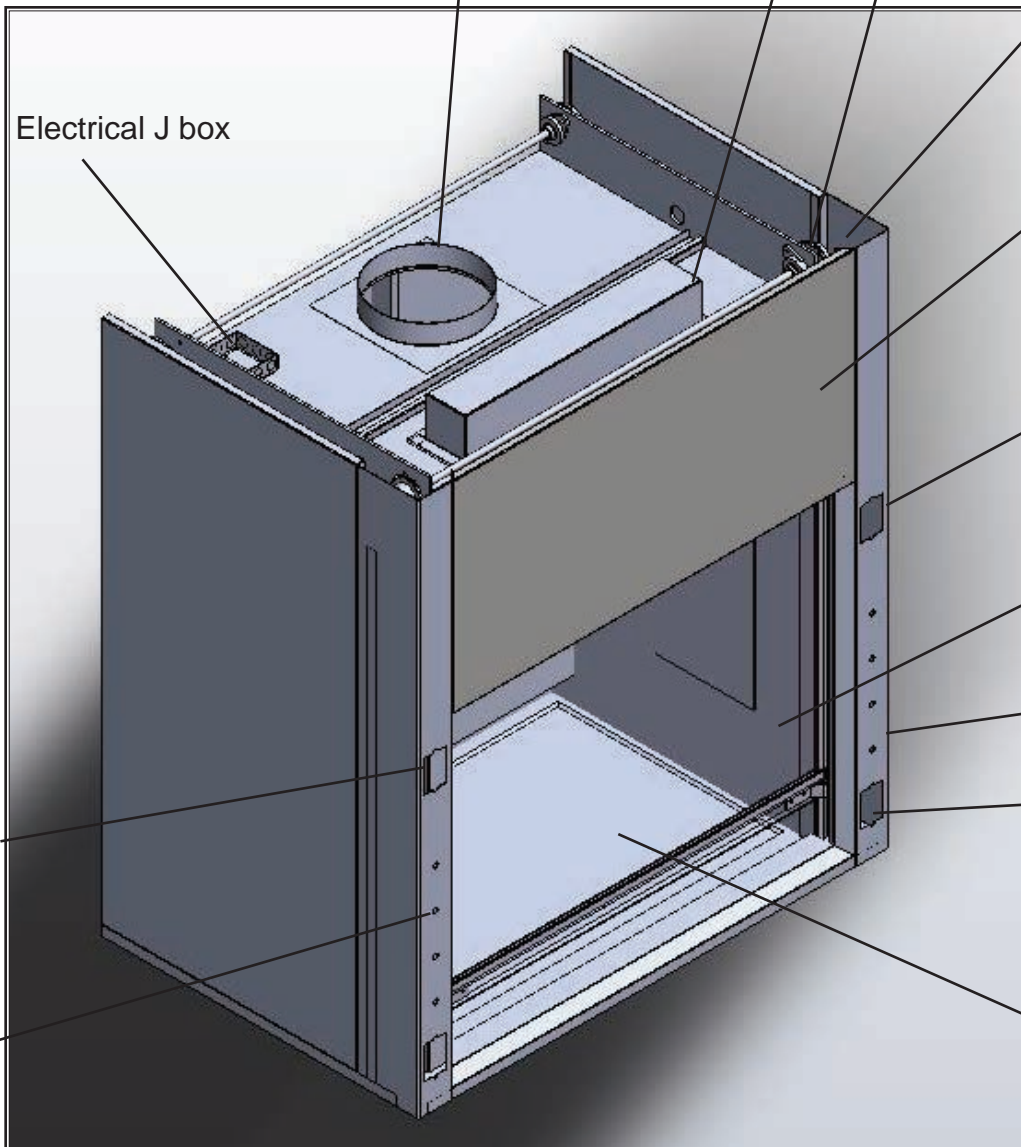
Additional  
utility valves

15A duplex outlet

On/off light  
switch

Utility  
valves

Top Lab resin  
Dish surface





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### Standard Features

- Air By-Pass for More Uniform Face Velocity During sash Manipulation
- Intake air at top of hood, more efficient and cost effective for inside air conditioned air
- Sealed Interior Fluorescent Lighting: 100 Foot-Candles
- Electronic Fluorescent Lamp Ballast for 72in and 36in for 36 light
- Counterbalanced laminated safety glass Viewing Screen
- Flush side mounted Exterior/Interior Plumbing Chase Access Panels
- Connection Provided for Venting a Base Cabinet, optional
- Side Baffle Removable for Maintenance
- Dished work surface
- Lower Work Access Opening Airfoil
- Steel J Electrical Junction Box

### Optional Features

- Trespa Lined Interior • Composition Stone/Modified Epoxy Resin Work Surfaces
- Air Flow Alarm Systems LED screen
- Remote Controlled Service Valves for Gas, Air, Vacuum, Available in PVC, PVDF, Teflon® or Polypropylene
- Custom Polypropylene Sinks with Chemically Resistant "P"-Trap
- Polypropylene or PVDF Sinks with Hot/Cold or D.I. Water Faucets
- D.I. Water or N2 Teflon® Spray Guns
- Ground Fault Circuit Interrupter for Duplex Outlet(s)
- Additional Duplex Outlet(s) with PVC Cover
- Corrosive lower storage cabinet
- Flammable lower storage cabinet



- Flammable cabinets and Acid cabinets
- 3 Point locking hinged doors
- 1.5" thick wall and doors
- Self closing doors
- Ground bolt
- Lined with poly-pro or Trespa lined
- Spark arresters inside 2 places

Self closing doors



Trespa lined interior

