



MICROVOID® FH-61 POLYPROPYLENE FUME HOODS

The Microvoid® Model FH-61 Fume Hoods are ideal for use in corrosive environments in the laboratory or the production line. Corrosion resistant polypropylene construction makes the FH-61 well suited for applications involving strong acids, bases and most solvents.

■ The FH-61 features front-located valve and instrument panels for easy access and servicing. The vertical sliding sash offers full face protection and continuous easy access to the hood interior, while reducing hood CFM requirements. A complete line of standard and custom process tanks and accessories can be installed to meet various process requirements.

Model FH-61 By-Pass Fume Hoods exhaust a near-constant volume of air regardless of the sash position; this is accomplished with by-pass openings above and below the eye shield.

Microvoid® Model FH-61 By-Pass Fume Hood Specifications:

- All polypropylene construction, in 3/8" white stress-relieved material. 1/2" material optional
- 4, 5, 6, and 8 feet wide (optional other sizes available), 31.5 inches deep, and 67 inches high; 102 inches high including 35 inch high polypropylene base cabinets. (polyproLABS® cabinet model 1-1-0000-VU-4836).
- Top located 8-inch diameter exhaust collar(s) with butterfly damper.
- Across-the-work surface exhaust with adjustable louvered shutters, and above-the-work surface exhaust with adjustable shutters.
- Top located fluorescent lighting, with translucent polypropylene window in fume-tight sealed compartment.
- Vertical sliding eye shield for full closure, with by-pass air feature, providing relatively constant air volume.
- Airfoil across bottom of hood opening.
- Double side-wall construction with removable panel to access plumbing.
- Solid polypro work deck, with welded, leak-tight construction, and one-inch front lip to prevent spills to floor.
- Base storage cabinet with leak-tight floor, front-hinged access doors, and rear access opening. Venting optional.
- One-inch levelers for easy installation (base cabinet models).
- Plumbing and electrical termination at rear or top of unit.
- Pressure drop across the fume hood exhaust system when operating at an average air velocity through the front access opening of 100 feet per minute is less than 0.5 inches of water.



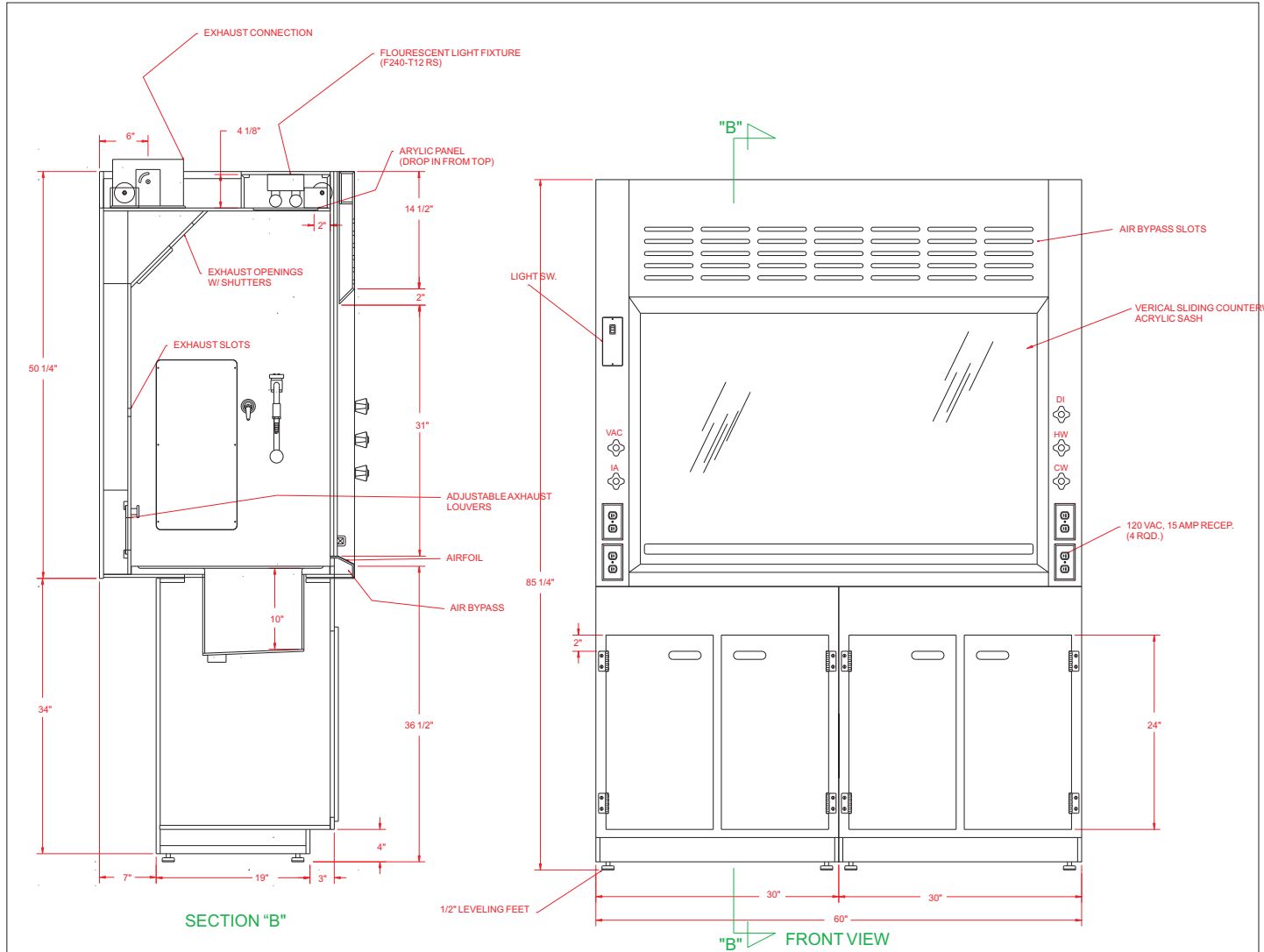
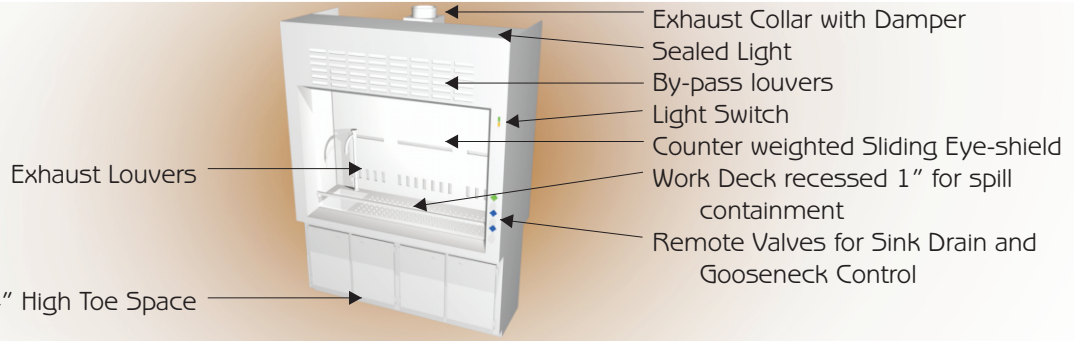
- Meets ASHRAE 110 requirements.

A variety of polypro fixtures, cup sinks, sinks, and process tanks are available. Fire retardant polypro is available in several materials, including FM-4910 compliant selections.



A full range of custom options can be tailored to fulfill your application requirements.

Standard Features on Polypropylene Fume Hoods



Exhaust Requirements			
Hood Size	Collar Size	100 FPM	125 FPM
4 FT.	(1) 8"	600 cfm	750 cfm
5 FT.	(1) 8"	750 cfm	940 cfm
6 FT.	(2) 8"	900 cfm	1125 cfm
8 FT.	(2) 8"	1200 cfm	1500 cfm

NOTES:

1. ALL MATERIAL WHITE STRESS RELIEVED POLYPRO. UNLESS OTHERWISE SPECIFIED.
2. UNIT HAS A LEXAN® VERTICAL SLIDING COUNTERWEIGHT SASH.

CONNECTIONS.

HOT WATER- 1/2" PP TUBE
 COLD WATER- 1/2" PE TUBE
 DI WATER- 1/2" PE TUBE
 VAC- 1/2" PE TUBE
 INSTRUMENT AIR- 1/2" PE TUBE
 EXHAUST-(2) 8" PVC PIPE (695 CFM @ - 1/4" W.G. STATIC PRESSURE) W/ SASH 14" OPEN.

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 237 RALEIGH ROAD, HENDERSON, NC 27536

makes air clean

SCALE	ENGINEER APPRV.	REV.	DATE	DRAWN BY: BDR
NAME: MICROVOID MODEL FH-61 -PP - 5 FEET		PAGE		
CUSTOMER		JOB NO.	DWG. NO.	
CUST. PO. NO.				



AIR CONTROL, INC.

P.O. Box 1738
 237 Raleigh Road
 Henderson, NC 27536, USA
 252 · 492 · 2300 TEL / 252 · 492 · 9225 FAX