



- **Semiconductor and Microelectric fabrication and assembly**
- **Biological (Biotech and Biomedical) and Pharmaceutical applications**
- **Grinder and sanding operations**
- **Etching, plating, coating, and cleaning applications**
- **Digital readout velocity meters**
- **Ergonomic Design**
- **Flexible Configuration**

"Leading The Nation in Fabrication"

Plastic Concepts Laminar Flow Hood

The Plastic Concepts, Inc. Standard Laminar Flow Hood is constructed of stress relieved 1/2" thick white polypropylene, an extremely durable and non-corrosive thermoplastic, highly resistant to most acids, solvents, and other corrosives. Polypropylene also offers non-conductive properties as well. The hood is designed to operate with a face velocity of 80 - 120 FPM. The full width plenum with adjustable dampers provides maximum efficiency for fume removal. The base cabinet is fully supported with adjustable levers for easy installation.

Plastic Concepts, Inc.

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www.plastic-concepts.com**



**Plastic Concepts
Inc.**

Plastic Concepts Laminar Flow Hood

Construction

- Main construction of hood is thermal stick welding that provides a strong, durable and long lasting joint attachment. All edges are chamfered to ensure maximum weld penetration
- Valves, hinges, and plumbing are polypropylene
- Vented base cabinet for storage of acids and chemicals. Base cabinet can serve as secondary containment
- Lip exhaust is designed to provide air for the hood even in the event the sash is fully closed
- Counter balanced adjustable sash made of acrylic
- Electrical Requirements: 115v, 15 amps for lights and blowers
- Internal Wiring: 12/3 gauge cord with rubber coating
- Fume hood base supported by leveling feet

Equipment

- Variable Speed Blower
- Vapor-proof fluorescent lighting
- HEPA filter, 99.9% effective on .3 microns
- Pre-filter, large contaminant particle removal
- Magnahelic air pressure gauge to monitor HEPA filter replacement
- 115v, 15amp 3-prong GFI outlets

Complies With:

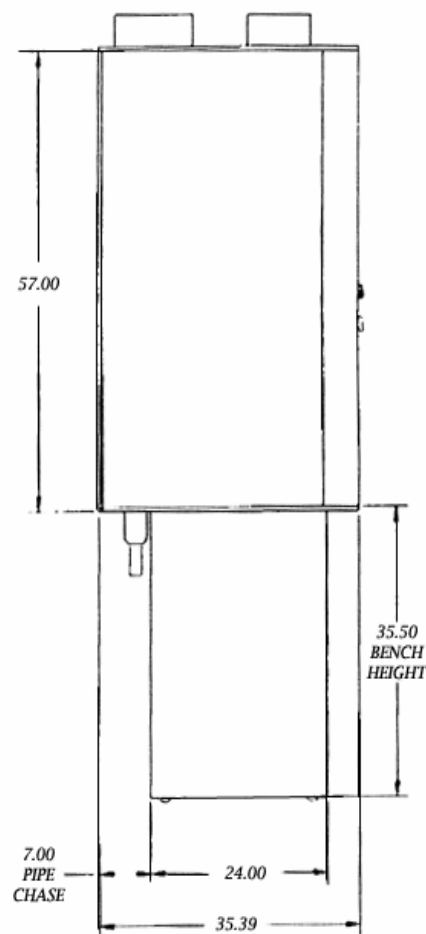
NSF 49, FED STD 209E, ANSI 110, AGGIH recommended practices

Options:

- Sash available positioning: fixed or hinged
- Sash materials: PVC, polycarbonate (Lexan) or Safety Glass
- Digital readout velocity meters
- Automated velocity controller to maintain a constant velocity setting as sash is adjusted
- Amber lighting for photo resist
- Audible exhaust alarm
- Hood color: white, blue, black, or combination of colors
- Static control devices
- Fixtures: serrate cocks for gas, air, vacuum and liquid, N2 and DI guns
- Glove and side ports
- Casters on the base for easy relocation

Specifications:

	Supply Air	Face Velocity	CFM Exhaust	Dimensions	Electric Requirements
4 ft. unit	540 cfm	80-100 F/M @ 18" 600 cfm	940 cfm	49"W X 34" deep X 94" tall	120v 20 Amps
5 ft. unit	720 cfm	80-100 F/M @ 18" 750 cfm	1470 cfm	61"W X 34" deep X 94" tall	120v 20 Amps
6 ft. unit	900 cfm	80-100 F/M @ 18" 900 cfm	1800 cfm	73"W X 34" deep X 94" tall	120v 20 Amps
8 ft. unit	1080 cfm	80-100 F/M @ 18" 1200 cfm	2280 cfm	99" W X 34" deep X 94" tall	120v 20 Amps



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