

SAFETY WITHOUT COMPROMISE



**Air-Prentice®**

**Laboratory Fume Hood for  
the Academic Science Lab**



## What Makes the Air-Prentice Unique

Lab Crafters, Inc. designs and manufactures the most innovative laboratory fume hoods, offering the highest quality construction with the highest levels of performance and energy efficiency.

In 1997, Lab Crafters' introduction of the Air Sentry<sup>®</sup> High Performance Fume Hood revolutionized the way fume hood manufacturers designed fume hoods and the way architects and engineers designed laboratories. Lab Crafters is proud to introduce our latest innovation in laboratory fume hood design:

### **The Air-Prentice<sup>®</sup> Laboratory Fume Hood.**

The Air-Prentice has been designed specifically for the Academic Science Laboratory. This high quality product offers excellent performance at a very competitive price level. Several exclusive features contribute to making the Air-Prentice fume hood superior to any other fume hood for the Academic Science Lab.

# What Makes the Air-Prentice Unique



- **All Steel Construction**

Interior Steel finished with an Epoxy-based Powder-coat for chemical resistance. Interior finish meets SEFA requirements (SEFA 8 Chemical Spot Test) for a "Laboratory Grade" finish.

- **Open Bypass Design**

Reduces increase in face velocity as sash is closed.

- **Smooth Operating Sash System**

Aerodynamic Sash Handle

Stainless Steel Cable and Pulley system requiring less than 5 lbs. of force to operate.

Available in Vertical Style (Standard) or Combination Style (ADA).

Optional Sash Stops and/or Automatic Sash Return to 18" height.

- **Maintenance Friendly Design**

Includes Interior Maintenance Access Panels with Hook-in-Slot construction. No Hardware and no tools required.

- **Airflow Alarm**

Provides a visual and Audible signal if face velocity drops below a set-point.

- **Services**

A Wide array of available plumbing and electrical services, factory pre-plumbed and pre-wired.

- **Fixed Baffle Design**

Eliminates potential for maladjustment of Baffle Slots by inexperienced users.

- **Aerodynamic Airfoil Sill**

Provides smooth airflow over the work surface.



## Airflow Chart

HOOD MODEL	HOOD SIZE	EXHAUST VOLUME	SASH OPENING	FACE VELOCITY	STATIC PRESSURE	COLLAR SIZE
HBAPV4	4'	515 CFM	18" x 39"	100 FPM	0.30" wg	10"
HBAPV5	5'	670 CFM	18" x 51"	100 FPM	0.30" wg	12"
HBAPV6	6'	830 CFM	18" x 63"	100 FPM	0.30" wg	12"

**NOTES:**

The static pressure values shown represent the pressure loss for the fume hood only. Please inquire as to the required air volume for other face velocities or through different size fume hoods and/or fume hood sash openings.

Lab Crafters is a Proud Member of  
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