

## Warranty

Air Master Systems Corporation warrants the materials and workmanship of its products for five (5) years from time of shipment. This warranty is only valid under normal and customary use for the type of fume hood delivered and does not cover damage incurred during shipping, installation, or damage caused by misuse of equipment. Air Master Systems Corporation is not responsible for any damage or injury caused by the misuse or incorrect operation of its products, whether accidental or intentional.

## Hood Styles

100 Series=Standard Aerodynamic Design  
200 Series=Double Faced 100 Series  
300 Series=Slim Line  
400 Series=Walk-In Hood  
500 Series=ADA (Barrier Free Design)  
600 Series=Radio Isotope  
700 Series=Perchloric Acid  
800 Series=Flat Front  
900 Series=Demonstration Hood  
HP Series=High Performance Hood  
SWS=Solution Work Station



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## Operation & Maintenance Manual



**Eliminator Fume Hood Series**

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## Operation & Maintenance Guide

Operation and maintenance begins with the proper start up, an Operating Procedure. Once the fume hoods are installed very little maintenance will be needed. However, it is recommended that a clean working environment be promoted for both safety and operation of the hood.

### Weekly

General maintenance or housekeeping should be done on a weekly basis. This consists primarily of cleaning the side walls, baffles, counter tops and sash of any dirt or debris that may have collected. If a large amount of build up is present, a qualified laboratory technician should observe the contents and oversee the cleaning procedure to ensure the integrity and proper operation of the hood and safety of lab personnel.

### Monthly

Glass, cables, pulleys and sash guides are the only parts that move on the hood. These should be checked on a monthly basis to note any damage or excessive wear and tear. These parts should be replaced as soon as damage or excessive wear has been observed.

### Annually

The hoods must be balanced to maintain the proper air flow across the face of the hood. This procedure should be performed on an annual basis to make sure all blowers are performing properly, and proper air flow is being achieved.

## Additional Accessories

If additional accessories have been added to your specific fume hood such as magnahelic gauges or alarms, a separate manual specifically addressing those items has been supplied and should be consulted.

## Spills

All spills inside the hood should be cleaned up immediately with a neutralizing compound as required by your facility manager and flushed and cleaned thoroughly.

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## Electrical Specifications

Only applicable for factory prewired hoods, does not apply to owner/contractor furnished & installed equipment.

### Recommended Input

Supply voltage unless otherwise noted should be 125V, 20A, 60 Hz, AC All electrical supply line should be routed from the nearest electrical service panel with the appropriate rated circuit breaker. At no time should this hood be hard wired to an existing electrical outlet, or wired with a male plug end for a wall receptacle. Also, a disconnecting device should be located in close proximity of the equipment and within easy reach of the operator.

Recommended supply wire size, minimum 12 gauge copper wire, max volt 600v, 90 degrees C dry THHN/THWN conductors.

### Output Connections

Duplex Receptacle	125V; 20A; 60Hz; AC
GFCI Receptacle	125V; 20A; AC Temp range -31F to 158F; Trip at 5mA (+/- 1mA)
Light Switch	120/277V; 1HP @ 120V; 2HP @ 240V
Lighting	24" fluorescent light T-8 ballast; 118V; 60Hz; AC 85 watts (17 watt bulbs)
	48" fluorescent light T-8 ballast; 118V; 60Hz; AC 160 watts (32 watt bulbs)
	Vapor proof light 120V; 100watts max; indoor/outdoor use suitable for damp locations
	Explosion proof lights; 120V; Maximum 300watt bulb
	Recommended bulb 120V; 135watt

Voltage fluctuations should not exceed + or - 10% of the nominal voltage.

**CAUTION: Before doing any work on this product be sure that all power to this hood has been turned off, and any circuit breakers supplying power to this hood, have been locked out to avoid electrocution.**