

# HS-5000 WORKSTATION

- Portable tabletop design
- No outside venting required
- Hinged sloping front provides full visibility, easy access to instruments or containers
- Horizontal linear airflow reduces turbulence
- Variable blower speed control optimizes air flow efficiency

## Application ideas:

- Hospital and medical laboratories
- Pathology procedures
- Industrial processes and production lines
- Drug and chemical compounding
- Asbestos testing



HS-5000 Workstation with cutout for microscope

The HS-5000 is a completely self contained, filtered-air workstation and work surface in one package. A back baffle provides horizontal linear air flow with less turbulence. The angled clear polycarbonate shield over the large work area provides full visibility and easy access to instruments or containers inside. The sloping door is available as a solid polycarbonate hinged panel or with a cutout for a microscope. The 1/2" polyethylene floor provides an easy to clean worksurface. Lighting options include an LED strip which provides overhead illumination or an LED dual gooseneck lamp with a more concentrated light source for microscope viewing. This unit is often selected for use with a microscope and is available with an appropriate opening in the face shield to accommodate most stereo-zoom microscopes. The filter housing is designed to stack one or more filters simultaneously up to 7" high, allowing one station to be used for multiple pollutants or procedures. Filters are easily accessible for replacement with no tools required.

The system is powered by a 530cfm rated blower and it has a variable speed control for quiet and efficient operation. The workstation weighs approximately 50 pounds and the blower unit is 32 pounds, allowing each piece to be conveniently moved to any workplace. Enclosure is also available with an reverse flow blower providing Class 100 positive pressure clean air.

*Please note: we can manufacture this unit in many different sizes and/or configurations to suit your application or space requirements. Please call or email to discuss your application, [info@airfiltronix.com](mailto:info@airfiltronix.com)*

For HS-5000 specifications and airflow performance data see reverse side of sheet.

Filters are sold separately to accommodate individual applications. Please see filter sheet for detailed filter specifications

*For filter information refer to catalog and price sheet.*

**LK-4 Gooseneck Lamp**-For applications where a microscope is used in the HS-5000, a state of the art dual LED gooseneck lamp is available. The lamp incorporates a heavy base with built in transformer, on/off switch and a dimmer control, operating from a 110V AC supply. The two 18" long gooseneck lamps can be comfortably routed around a microscope stand and positioned to illuminate objects under the microscope for optimal lighting conditions. Each lamp provides 5 watts of focused LED power suitable for most lighting situations.



LK-4 Gooseneck Lamp

# HS-5000 WORKSTATION



HS-5000 Workstation with with solid panel hinged door

**LK-3-** A state of the art LED strip lamp is available for illuminating the inside of the HS-5000 workstation. Mounted behind the hinged door just below the blower unit the lamp provides the equivalent output of a 60W incandescent bulb. Operating voltage is 110V AC and a switch to the left of the strip light turns the lamp on and off.



LK-3 Overhead LED Strip Lamp

## Specifications

<b>Model No.</b>	HS-5000S - solid polycarbonate panel HS-5000C - cutout for microscope
<b>Workspace:</b>	28.5"W x 20"D x 15"H
<b>Overall Dimensions(with blower):</b>	30"W X 23.5"D X 33"H 35" minimum height clearance required for airflow
<b>Power Requirements:</b>	115VAC, 100 watts, 50/60 Hz, 230 V AC optional
<b>Weight:</b>	82 lbs, workstation 50lbs, blower 32 lbs
<b>Blower:</b>	530 CFM (free air), Backward curver impeller
<b>Noise Level:</b>	A weighted noise level 68 dB at 1 meter

## Airflow Performance Statistics

Filters Installed	Max Airflow CFM	Face Velocity FPM
None	458	458
HEPA	257	257
HEPA/Dacron/0.5" Carbon	165	165
HEPA/Dacron/2" Carbon	132	132
0.5" Carbon	268	268
2" Carbon	182	182
2 each - 2" Carbon	133	133
All numbers refer to average readings taken at full blower speed		

## Options:

- Airflow Alarm Unit
- Blocked Filter Alarm Unit
- Acrylic Polish: Anti Static Surface Cleaner
- Overhead LED strip Lamp
- Dual LED Gooseneck Lamp
- Outside Vent Adapter Kit

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*For filter information, order information and pricing please refer to catalog or website at [www.airfiltronix.com](http://www.airfiltronix.com)*