

# APPLICATION SOLUTIONS

## Microscope Enclosure

### *Operator or process protection for microscope applications*

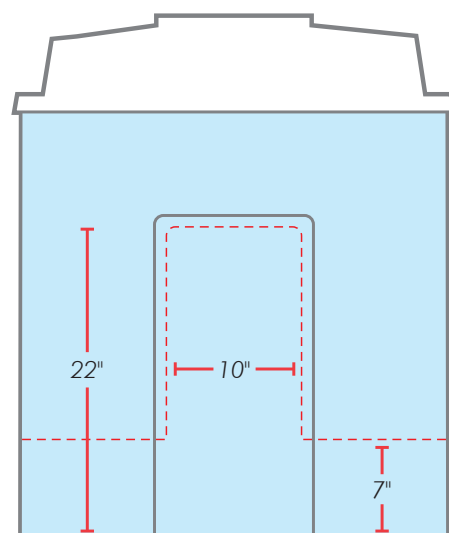
AirClean® Systems ductless microscope enclosures provide either a ISO 5 work environment for sample preparation or protect the operator from exposure to particulates and gases. Each enclosure is designed to work with a wide range of microscopes. The microscope access port provides easy access to the eye piece and viewing platform.



AC632TLFUVMIC process protection microscope enclosure in use with optional cart

#### **Features:**

- Sash closure allows for maximum operator protection without compromising airflow
- Process protection workstations equipped with UV safety interlock
- Constructed from UV and chemical resistant materials
- Shipped fully assembled and ready for use
- Microprocessor controlled
- Audible and visible alarms
- Self-contained
- No installation required
- Bench-top design with optional cart or stand



The specialized sash opening on each microscope enclosure provides ample room for microscope access



## ISO 5 LAMINAR FLOW ENCLOSURE

The downflow microscope enclosure provides a clean environment with UV light for irradiation between processes. UVTest™ microprocessor controller provides one-touch operation of all enclosure features. This configuration does not provide operator protection.

PROCESS PROTECTION MICROSCOPE ENCLOSURE						
Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC632TLFUVMIC	32"	24"	40"	31"	23"	28"
AC648TLFUVMIC	48"	24"	42"	47"	23"	30"

**AirClean® Systems laminar flow workstations and clean benches meet and exceed ISO 5 standards**

**Hoods, workstations and enclosures are shipped fully assembled**

## OPERATOR PROTECTION ENCLOSURE

The upflow microscope enclosure provides operator protection from exposure to harmful particulate or gases. Gas, fume and vapor containment is achieved via AirClean® Systems' bonded carbon filtration; particulate containment is achieved via HEPA filtration. AirSafe™ automatic safety controller constantly monitors filter and airflow conditions and provides one-touch control of all enclosure features. This configuration does not provide process protection.

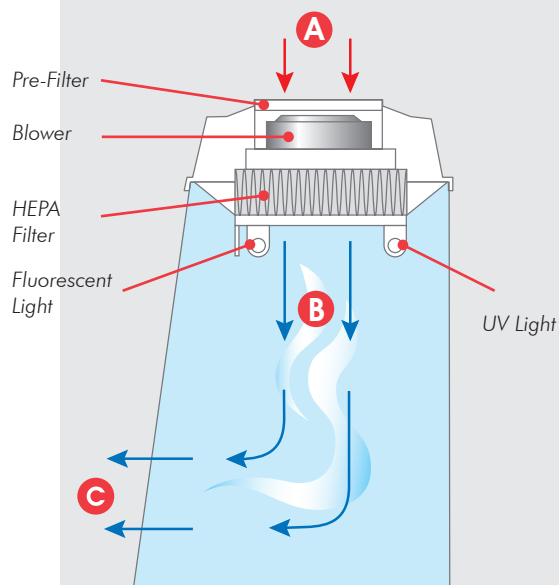
OPERATOR PROTECTION MICROSCOPE ENCLOSURE						
Product #	External Dimensions			Internal Dimensions		
	Width	Depth	Height	Width	Depth	Height
AC632TMIC	32"	25"	40"	31"	23"	29"
AC648TMIC	48"	25"	42"	47"	24"	27"

**AirClean® Systems ductless hoods, workstations, and enclosures meet and exceed relevant OSHA and ANSI Z9.5 standards**

**Hoods, workstations and enclosures are shipped fully assembled**

### How the laminar flow enclosure works:

1. Room air enters at "A" where it is cleaned via electrostatic pre-filtration.
2. Air then moves through the HEPA filter.
3. Clean vertical laminar flow air enters the chamber at "B" and exits at "C".



### How the operator protection microscope enclosure works:

1. Room air enters at "A".
2. Room air mixes with gases and particulate and is filtered at "B".
3. Filtered, clean air exits workstation at "C".

