

Purifier® Delta® Series Class II Biological Safety Cabinets

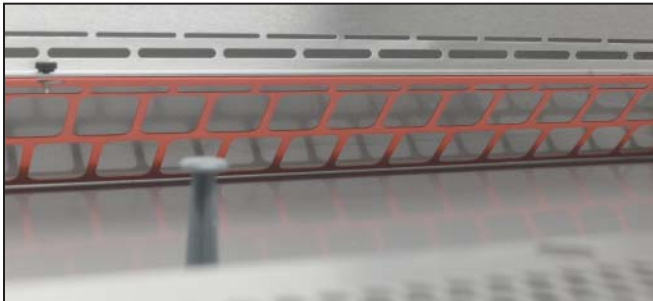
OVERVIEW

Delta® Series Delivers Safety

The most compelling reason to choose a Purifier Delta Series Class II Cabinet is safety. You simply won't find another biohazard cabinet with a more comprehensive safety package.

Bright color signifies danger and key components are epoxy-coated orange to provide a visual reminder to work safely in these areas. One such area is the exclusive sash pocket. Located behind the front panel, the sash pocket encases the sash as it is raised, shielding the user and environment from exposure to any potential contamination on the interior side of the sash. The pocket provides an added dimension of safety to other measures such as 99.99% efficient HEPA-filtered laminar flow and negative pressure plenum design.

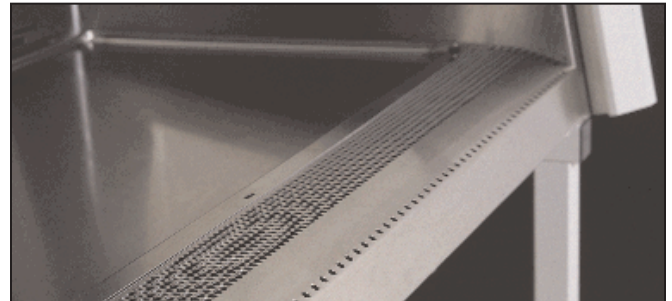
Unseen, but remarkable, is the unitized, stainless steel frame. The substructure provides a more stable and accurate foundation than multi-piece designs so potential for leaks is minimized. Other safety features, such as the sash, just can't be missed. The sash provides tactile feedback to the operator to not lift it beyond its working height while the cabinet is in use. Raising the sash beyond this point triggers an audible/visual alarm. The sash may also be fully closed to prevent contaminants from entering or leaving the cabinet during UV disinfection or non-use.



The towel catch prevents wipes and other lightweight items from being drawn into the cabinet's internal cavity where they could damage components and alter airflow.

Safety Features

- Fully closing tempered safety glass sash with audible/visual alarm indicator
- △ • Sash pocket keeps potential contamination contained
- △ • Curved air foil
- △ • Tactile indication when sash is raised to its optimum operating level
 - Interlocked UV light only operates when blower and fluorescent light are off and sash is closed
- △ • Minihelic* II pressure gauge mounted inside the work area so that potential leaks around the gauge are forced through a HEPA filter before exhausting to the environment
 - Electrical duplex receptacles with ground fault interruption
- △ • Safety color-coded towel catch, sash pocket and exhaust cap
 - 99.99% efficient HEPA filters
 - Unitized 16 gauge stainless steel structure
 - Intrinsically-safe negative pressure design
 - 115 volt, 60 Hz models are NSF International Listed



The curved air foil prevents the potentially dangerous practice of placing materials in this area.



The vertical-rising sash can be completely closed when not in use, providing a physical barrier.



The sash pocket shields the sash as it is raised so that potential contamination is not spread to upper cabinet areas.

◀ Purifier Delta Series Class II, Type A2 Safety Cabinet 3620404 on Manual Hydraulic Lift Stand 3780200 with Caster Kit 3784000 and Ergonomic Chair 3744000.

*Minihelic® II is a registered trademark of Dwyer Instruments Incorporated.

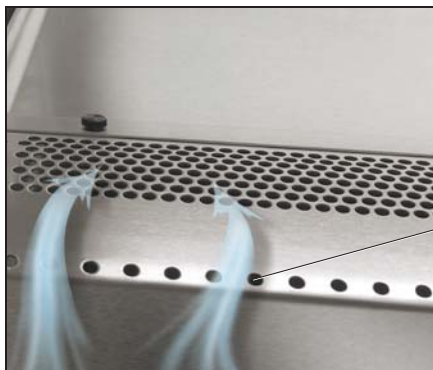
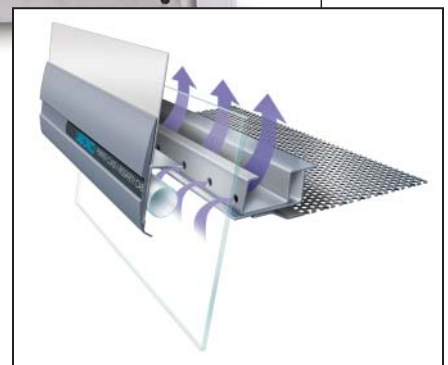
△ Exclusive feature

Purifier® Delta® Series Class II Biological Safety Cabinets

OVERVIEW



The Air-Wave™ Entry System, featuring aerodynamic angles surrounding the access opening, provides less airflow resistance for better containment.



Reserve-Air™ Secondary Airflow Slots, located in front of the air foil's inflow grille, draw air into the Purifier should the operator inadvertently block the grille area. Safe airflow is always maintained.

Contain-Air™ Negative Pressure Channel draws air in, preventing loss of containment at the top of the sash.

△ Purifier® Delta® Series Class II Biological Safety Cabinets

O V E R V I E W

Delta® Series Delivers Performance

Every component of the Purifier Delta Series Cabinet has been optimized for peak performance. The Air-Wave™ Entry System, consisting of the curved design of the side posts, air foil and sash handle, ensures smoother airflow into the work area minimizing turbulence and enhancing containment. Internally, we've designed a ramped steel plenum that captures the inflow air, stabilizes it, and then distributes it evenly across the HEPA filters and the work area. Laminar airflow is idealized and *true*, not zoned. The Air-Wave Entry System and plenum work together to provide superior airflow that protects the operator and prevents cross contamination.

The exclusive Contain-Air™ Negative Pressure Channel, located behind the sash, maximizes containment at the air gap between the top of the sash opening and the cabinet wall. Any hazardous aerosol created in the work area that may travel upward toward the sash is drawn into the channel by negative pressure and then forced through a HEPA filter. Unreliable seals and gaskets, which could degrade or drag on the contaminated glass, are not used.



The sash is counterweighted for balance, greater reliability and durability. The anti-racking mechanism ensures easy raising and lowering from all areas of the sash handle.

Performance Features

- △ • Air-Wave™ Entry System
- △ • Ramped steel plenum for *true* laminar airflow
 - 105 fpm nominal face velocity
- △ • Perforated exhaust filter cap for balanced exhaust airflow
- △ • Sure-Start™ voltage-compensating speed control with 40 amp capacity and electronic adjustability
 - Counterweighted sliding sash with anti-racking mechanism
 - Single switch fluorescent light and blower start up
- △ • Contain-Air™ Negative Pressure Channel at the top of the access opening
- △ • Reserve-Air™ Secondary Airflow Slots
 - Low clearance design requires only 6" clearance from ceiling
 - ISO Class 5 air (formerly Class 100) in the work area

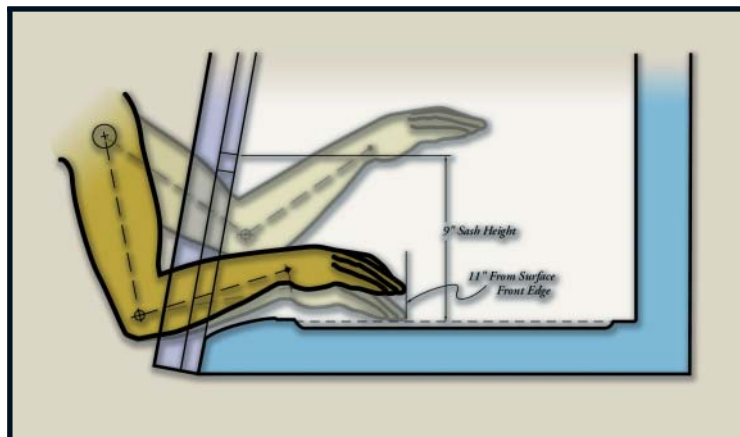
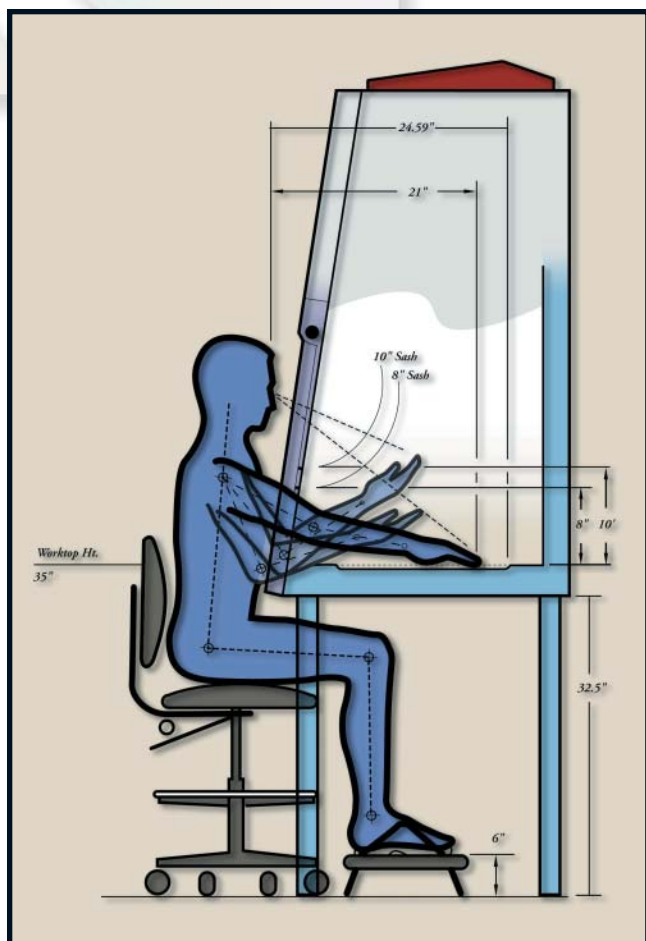


Controls for the blower, fluorescent light and UV light are consolidated into a single switch ensuring safe operation.

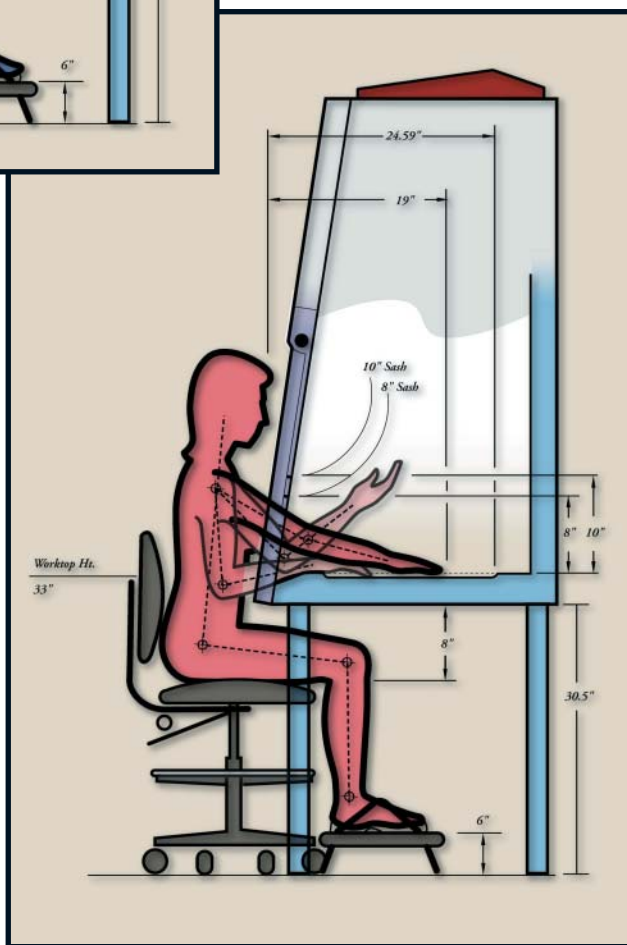
△ Exclusive feature

Purifier® Delta® Series Class II Biological Safety Cabinets

OVERVIEW



The radiused air foil provides a comfortable surface for forearms resting on it, reducing fatigue.



The Purifier Delta Series Safety Cabinet was designed to provide a safe and effective work area for both men and women. Ergonomic principles were applied to ensure that humans of all sizes maintain a healthy posture, and have good visibility and range of motion while safely using the cabinet. The illustrations at left show an adult male of an average height of 5' 9.1" and an adult female of an average height of 5' 3". The accessory base stand, chair and footrest work together to achieve the proper height for individuals using the cabinet.

Purifier® Delta® Series Class II Biological Safety Cabinets

OVERVIEW

Delta® Series Delivers Ergonomics

Because fatigue increases the risk of accidents and personal injury, we designed the Purifier Delta Series Cabinet to be comfortable and convenient to use. With assistance from human factors specialists, Labconco engineers created dimensions for the cabinet that fit people of all sizes. The monitors and controls are within easy sight and reach—exactly where they should be. The Minihelic II pressure gauge is located in the user's field of vision to allow continuous monitoring of safe operating parameters. The switches and alarm indicators are mounted low to meet ADA* requirements and to reduce eye strain. The curved air foil has no pronounced edges so arms may rest comfortably.

The inclined sash and front panel offer ergonomic benefits as well as an attractive exterior. The front panel above the sash is free of protrusions that could interfere with visibility or obstruct taller users. More importantly, the sash is angled for closer, more comfortable viewing without glare.

A spacious interior adds to the cabinet's functionality. The service fixtures are mounted 9" above the work surface to maximize usable surface space. They are mounted close to the front within easy reach of the user. The seamless one-piece dished work surface has smooth, radiused edges for easy cleaning.

Ergonomic Features

- △ • Most spacious interior in the industry
- △ • Eye-level Minihelic II pressure gauge
- △ • ADA-compliant controls, switches and electrical receptacles
- △ • Radiused air foil
 - Inclined, sliding sash
- △ • Low profile front panel
 - Service fixtures mounted 9" above the work surface
 - Removable dished work surface is smooth and non-welded
 - ADA-compliant adjustable height accessory base stand
 - Accessory chair and footrest

△ Exclusive feature

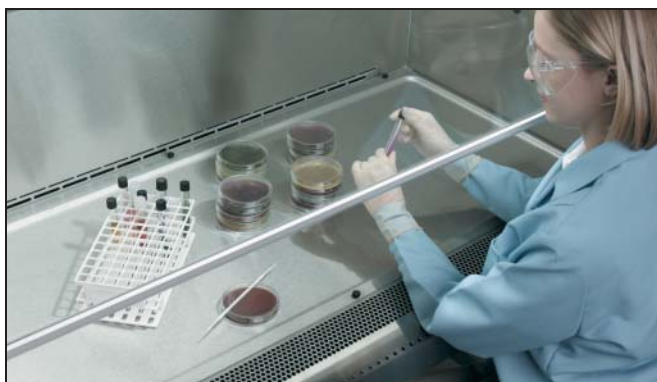
*Americans with Disabilities Act



The Minihelic II pressure gauge has a large dial for easy readability and is located in the user's direct field of vision.



Service fixtures are mounted within reach of the operator but somewhat higher so that they are less likely to snag on clothing or bump the user's forearms.



Interior offers the most cubic feet of area in the industry.



Controls are mounted in the user's field of vision to limit neck movement and meet ADA requirements.