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Ventilated benchtop enclosure provides controlled environment for PCR experiments and applications requiring particulate-free work area, such as electronic and medical device assembly, tissue culture and media preparation.

Integral blower(s) and 99.99% efficient HEPA filter continuously supply particle-free ISO 5 (Class 100) air through work area, minimizing risk of cross-contamination of samples. Air is then returned to room through front and rear of the enclosure. **Note:** Purifier* PCR Enclosures and Vertical Clean Benches do not provide user protection. Biohazardous materials, toxins and radionuclides should be handled in Class I or Class II biological safety cabinets. See Purifier* Class I Safety Enclosures and Delta Series Cabinets.

Ergonomic design. Clear safety-glass 3/16 in. (4.8mm) thick side panels and 1/4 in. (6.4mm) sash allow maximum natural lighting for optimal viewing. Angled sash reduces glare and pivots from 17°, 9 in. (23cm) operating position to 183/4 in. (48cm) opening for loading and maintenance. Glass surfaces resist crazing and discoloration. Glare-free fluorescent lamp is mounted outside contamination area. Blower and light switches are placed outside above the sash within easy reach.

PCR Enclosure includes 15w, 254nm germicidal UV lamp with solid state timer to provide 5-minute exposure to deactivate DNA and RNA contaminants. Optional UV lamp without timer is available on Vertical Clean Bench for use with surface disinfection to ensure thorough decontamination when bench is unattended.

Maximum air purity. HEPA filter traps 99.99% of 0.3µm particles.† Dual-light sensor monitors differential pressure across filter and indicates filter condition (green for normal; amber for service). Replaceable prefilter traps larger particles to extend life of the HEPA filter. Quiet variable-speed, solid-state internal blower maintains proper air velocity (3 ft. models have two blowers). Rear exhaust grill helps provide even air flow and minimizes air turbulence in the work area. For operator safety, UV lamp cannot be turned on when fluorescent lamp is in use.

Epoxy-coated steel upper cabinet and back panel are smooth, corrosion resistant and easy to clean. Back panel has two utility ports for service connections. Open cabinet bottom enables unit to fit securely on existing cabinetry. Optional dished epoxy work surface and telescoping base stands are available; see Accessories. Models are offered with the following dimensions:

2 ft. wide (61cm) Model. Overall dimensions: 251/8L x 233/4W x 37"H (64 x 60 x 94cm). Shipping weight: 125 lb. (57kg).

3 ft. wide (91cm) Model. Overall dimensions: 251/8L x 353/4W x 37"H (64 x 91 x 94cm). Shipping weight: 160 lb. (73kg). 115V 60Hz models include one circuit breaker and 3-wire cord and plug. ETL listed. 230V 50Hz models include two circuit breakers and 3-wire cord (plug not included). CE listed.

Model Width	Electrical Requirements	UV Lamp/Timer	Mfr. No.	Cat. No.
3 ft. (91cm)	115V 60Hz	Yes/Yes	37500 02	16-108-137
2 ft. (61cm)	230V 50Hz‡	Yes/No	3740021	16-108-130
3 ft. (91cm)	115V 60Hz	No/No	3750000	16-108-131
	115V 60Hz	Yes/No	3750001	16-108-132
	230V 50Hz‡	No/No	3750020	16-108-133

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