

Сушильные полки из перфорированной фенольной плиты с поддоном, перчаточные боксы, ПЦР-камеры DLF-200-PCR

Технические характеристики

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PCR Laminar Flow Cabinets

DLF-200 – PCR-24 Laminar Flow Cabinet

DLF-200 – PCR-36 Laminar Flow Cabinet

DLF-200 – PCR-48 Laminar Flow Cabinet

Features

- High capacity air handling system with flow velocity of 0.45 m/s or 90 FPM
- Steel construction with microbial, powder finish coating
- Preinstalled, integral UV lamp filters
- Optional stainless steel work surface includes lips on all four sides to contain spills
- Designed for use on desktop, optional base stand, or optional mobile cart

Benefits

- Meets or exceeds OSHA, ANSI and other international standards
- Designed to comply with current technical and safety regulations
- Isolated internal systems protect against fumes and extend product life
- Three model sizes available

The PCR Laminar Flow Cabinet employs HEPA filtration technology to create a safe, energy-efficient, and contaminant-free environment. It is ideally suited for use in non-hazardous applications where biological or biohazard by-products are not generated and user protection is not required.



PCR Laminar Flow Cabinets

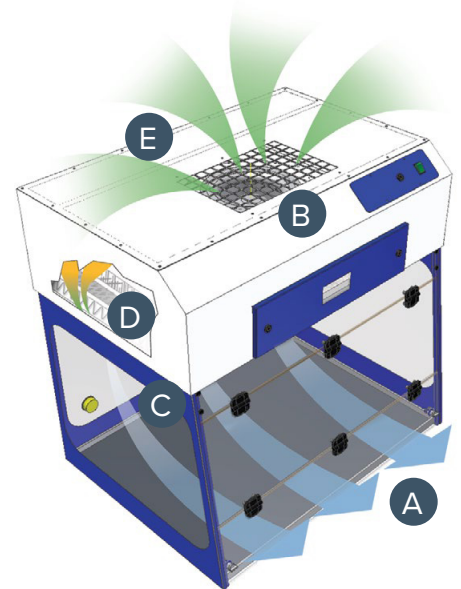
Ductless Filtration – The Eco-Friendly Choice

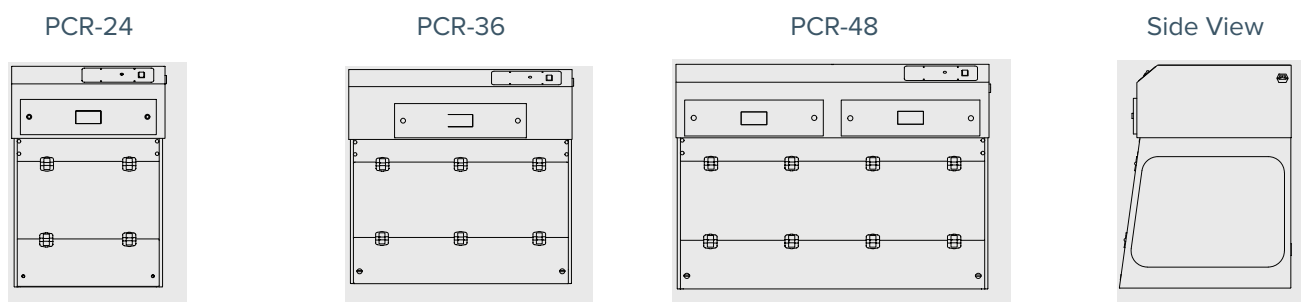
Advanced HEPA filtration offers a safe, high performance alternative to conventional ducted cabinets for a broad range of applications:

- **Environmental Benefits** – Ductless enclosures isolate and trap powder and particulates to prevent ecological impact through release into the environment.
- **Safer Filter Replacement** – The optional filter shutter system for bag-out filter replacement system minimizes exposure to filter contaminants when removing used filters for insertion of new filters.
- **Versatile** – The DFE line includes a factory installed exhaust canopy that allows thimble ducting to the outside. HEPA/ULPA filters also provide high levels of biological safety.
- **Easy to Install** – The ductless balance enclosure is self-contained and does not require venting to the outside. The enclosure is portable and may be moved from one location to the next with minimal downtime and without filter changes. Set-up, operation and filter maintenance are straightforward.
- **Energy Efficient** – Because filtered air is returned to the room, no demands are required of the facility HVAC capacity for make-up air.
- **Cost Effective** – Facility ductwork, HVAC and construction costs are eliminated.
- **Safe to Use** – Workstation airflow and face velocity protect users from incidental exposures to powders or particulates.
- **Self-testing** – Electronic airflow monitoring assures continuous safety.

Airflow Pattern – PCR Laminar Flow Cabinets

- A. Exhaust Air
- B. Fan/Blower
- C. Electrostatic Pre-filter – Pre-filter may be changed from below the work surface while unit is running
- D. Main Filters
- E. Room Air Intake





Specifications

Specification	PCR-24	PCR-36	PCR-48
Filtration			
Airflow	Vertical downflow; 0.3 m/s – 0.45 m/s (60–90 fpm)		
Pre-filter	Disposable polyester fibers with 85% arrestance		
Main filter	HEPA efficiency, 99.99% at 0.3 μm		
Clamping	Screw compression clamp		
Construction			
Finish (exterior)	White epoxy-coated steel frame with white legs on cabinet sides		
Windows	Polycarbonate, transparent , UV absorbing		
Blower	ebm–papst centrifugal fan		
Controls	Main on/off switch for fan and lighting. Solid-state fan speed control with RFI filter maintains blower uniformity. UV timer, safety interlock shutoff.		
Electrical	120 VAC, 60 Hz or 230 VAC, 5 Hz voltages available. Specify when ordering. Other voltage options available.		
Work surface	Standard black polypropylene. Optional white polypropylene or stainless steel. Specify when ordering.		
Pass through ports	Two, standard, knock out		
Shelving	Decontamination shelf on rear wall		
Front Sash	Standard, hinged double with safety interlock		
Efficiency			
Lighting	LED lighting		
UV Lamp	1 x 253.7 nanometer 15 watt		
Noise, dBA*	<63	<66	<66
Dimensions			
Nominal width	61 cm (24 in)	91.4 cm (36 in)	12.19 cm (48 in)
Internal height	61 cm (24 in)	61 cm (24 in)	61 cm (24 in)
Internal depth	67.9 cm (26.75 in)	67.9 cm (26.75 in)	67.9 cm (26.75 in)
External (W x D x H)	61 x 68.6 x 88.9 cm (24 x 27 x 35 in)	91.4 x 68.6 x 88.9 cm (36 x 27 x 35 in)	12.19 x 68.6 x 88.9 cm (48 x 27 x 35 in)
Shipping (W x D x H)	12.19 x 10.16 x 11.43 cm (48 x 40 x 45 in)	12.19 x 10.16 x 11.43 cm (48 x 40 x 45 in)	15.24 x 10.16 x 11.43 cm (60 x 40 x 45 in)
Net weight	33 kg (72 lb)	45 kg (99 lb)	63 kg (138 lb)
Ship weight	68 kg (150 lb)	79 kg (175 lb)	102 kg (225 kg)

*Measured 30 cm (12 in) from the cabinet front and 38 cm (15 in) above the work surface plane.

PCR Laminar Flow Cabinets

Ordering Information

Description	Item Number
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 24 inches, 115 VAC, 60 HZ	78900-40
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 24 inches, 230 VAC, 50 HZ	78900-41
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 36 inches, 115 VAC, 60 HZ	78900-42
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 36 inches, 230 VAC, 50 HZ	78900-43
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 48 inches, 115 VAC, 60 HZ	78900-44
DLF-200 Series PCR Verticular Laminar Flow Cabinets, 48 inches, 230 VAC, 50 HZ	78900-45

Cole-Parmer® DLF-200 Series PCR Vertical Laminar Flow Cabinets



COLE-PARMER

Protect your PCR samples against cross-contamination

- Built-in germicidal UV lamp permits decontamination
- Vertical laminar airflow with HEPA filtration
- Innovative filtration technology
- Produces ISO Class 5 compliant clean air
- Meets OSHA, ANSI, and other international standards

The Cole-Parmer ductless PCR Workstation is the perfect cabinet for nonhazardous applications where biological or biohazard by-products are not generated, and user protection is not required. The cabinet provides a contaminant-free interior with a built-in germicidal 253.7 nm UV lamp. The lamp has a timer to permit decontamination between cycles—set timer up to 60 minutes or to hold indefinitely.

Innovative filtration technology consists of a pre-filter and main HEPA filter which is 99.99% effective for 0.3 micron particulates. The filter chamber prevents contaminated air from encountering internal cabinet components, prolonging the lifespan. A filter door lock prevents unauthorized removal or accidental exposure to dirty filters.

item	Blower Type	Interior Width (in)	Power (VAC)
 EW-78900-40	ebm-papst centrifugal fan	24	115

item	Blower Type	Interior Width (in)	Power (VAC)
 EW-78900-41	ebm-papst centrifugal fan	24	230
 EW-78900-42	ebm-papst centrifugal fan	36	115
 EW-78900-43	ebm-papst centrifugal fan	36	230
 EW-78900-44	ebm-papst centrifugal fan	48	115

item	Blower Type	Interior Width (in)	Power (VAC)
 EW-78900-45	ebm-papst centrifugal fan	48	230

Cole-Parmer® Glove Boxes

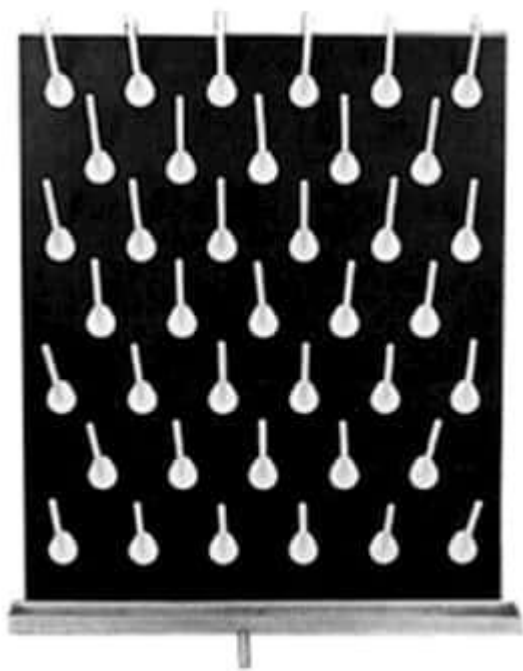


Monitor humidity and protect materials – affordably!

- Slanted window eliminates optical distortion
 - Spatially efficient with ample working chamber
 - Glove ports: 6" (15.2 cm) dia O-rings
 - Glove size: 6" (15.2 cm) dia cuffs x 24" (61 cm) L
- Use these economical glove boxes on your crowded lab bench or in large walk-in areas. The wide front access door makes loading equipment easy. Clear 1/4"-thick acrylic access and pass box doors ensure good visibility. Painted steel construction and EPDM foam seals endures everyday use. The included chamber hygrometer monitors humidity from 20 to 95% RH. Two ball valves are for purging gas.

item	Chamber Depth (in)	Chamber Height (in)	Chamber Width (in)
 EW-34788-00	27	20	20
 EW-34788-10	32	24	20

Cole-Parmer® Phenolic Pegboard Drying Rack with Drip Trough and Pegs



Ideal for drying beakers, test tubes, and other apparatus quickly

Phenolic resin pegboards are ideal for drying and storage of labware. Pegboards are 1” thick and include a stainless-steel drip trough to collect run-off.

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item	Height (in)	Width (in)
 EW-33732-20	30	24
 EW-33732-22	36	30



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