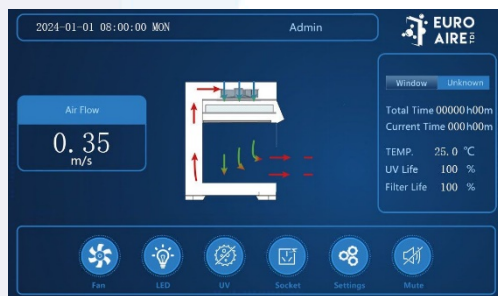


UV PCR CABINET + VERTICAL LAMINAR FLOW

Model PCR+FL

Features

- *Polymerase Chain Reaction* (PCR) is a widely used technique in molecular biology, in which a single copy of a DNA fragment is amplified, generating thousands of copies of that same DNA sequence. Due to the high number of copies generated during the reaction, it is essential to prevent any possible contamination during the process.
- The PCR+FL Cabinet provides positive-pressure laminar flow combined with UV irradiation
- The work area and work surface are constructed of AISI 304 stainless steel.
- The forced-air flow is filtered through an H14 HEPA absolute filter (99.995% efficiency at MPPS, EN1822 standard) and is delivered to the work area at a speed adjustable between 0.2 and 0.5 m/s.
- The positive pressure prevents any external contaminants from entering the work area.
- The tempered glass on the sides and front provides exceptional visibility of all areas of the work surface and blocks external UV radiation.
- The cabinet is also equipped with a manually sliding tempered glass front panel, which protects personnel from external UV radiation and allows a clear view of the interior.
- The cabinet is equipped with an easy-to-use touch panel.
- UV sterilization system.
- Fluorescent and UV-blocking lighting.
- LCD display, touchscreen.
- UV timer: 1 to 99 minutes. Operating voltage 220 V, 50/60 Hz. Maximum current consumption 1.6 A (approx. 380 W).
- The cabin comes standard with a UV light; 2 IP 55-rated 110-220-volt electrical outlets for 1,000 W each (total 2,000 W).



Optional Accessories:

- Unit support table.

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UV PCR CABINET + VERTICAL LAMINAR FLOW

Model PCR+FL

Technical Specifications

MODEL		PRC+FL-1100	PRC+FL-1300	PRC+FL-1600	PRC+FL-1900
Dimensions mm width x depth x height	Work area	950*615*625	1220*615*625	1525*615*625	1830*615*625
	Outdoor	1050*710*1850	1320*710*1850	1625*710*1850	1930*710*1850
	Transport	1190*990*1325	1460*990*1325	1765*990*1325	2070*990*1325
Weight		225	255	285	330
Height to work surface		850 mm			
Cab Construction Material	Work surface	AISI 304 stainless steel (AISI 316L optional)			
	Cab body	Electro-galvanized steel with antimicrobial powder coating			
	Front glass	Manual, double-pane laminated tempered glass ≥ 5 mm. UV-resistant.			
	Side windows	UV-resistant tempered glass, 5 mm			
Control system	Display	LCD touchscreen. Microprocessor with Flash memory			
	Exclusion system	Front glass panel prevents UV light and motor from turning on			
	Filter life indicator	HEPA filter life indicators			
Filtration System	Main Filter	HEPA H14 absolute filter with 99.995% efficiency at 0.3 microns according to EN 1822			
	Pre-filter	1 G4 PRE-FILTER			
	Air purity classification	Class 10 / ISO 4			
	Air circulation	Perforations in the back wall to eliminate turbulence.			
Laminar flow		0.3–0.50 m/s			
Electrical system	Voltage	220 V/50 Hz Optional 110 V/60 Hz			
	Maximum Power Consumption	155 W	285 W	285 W	300 W
	UV lamp	Does not include power consumption from the power outlet			
	LED lamp	20W x 1	30W x 1	30W x 1	20W x 2
Lighting		≥900 lux			
Noise emission		≤60 dB(A)			
Standard Accessories		1. LED lamp; 2. UV lamp; 3. 2 weatherproof outlets; 4. Bar with hooks.			
Optional Accessories		1. Base stand, legs with wheels and brakes; 2. Gas/vacuum valve.			

"All information, specifications, dimensions, and electrical data shown in TDI's commercial documents and data sheets are for guidance only and are not binding; therefore, they are subject to change according to each customer's needs and provided that applicable regulations permit such changes."

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UV PCR CABINET + LAMINAR FLOW

Model PCR+FL

Order Information

Code	Description
440206-PCR+FL-1100	UV PCR + Laminar Flow Cabinet Model PCR + FL1100
440206-PCR+FL-1300	UV PCR + Laminar Flow Cabinet Model PCR + FL1300
440206-PCR+FL-1600	UV PCR + Laminar Flow Cabinet Model PCR + FL1600
440206-PCR+FL-1900	UV PCR Cabinet + Laminar Flow Model PCR + FL1900

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