

PCR CABINET

ALS-INS076



DESCRIPTION

A PCR workstation is a closed cabinet fitted with a filtered airflow system with a unidirectional constant flow of air with almost no or minimal turbulence. The airflow velocity remains between 0.4 m/s to 0.6 m/s. The purpose of using such workstations in the laboratory is to create a particle and bacteria-free working environment to carry out specialised work. As these units discharge air towards the user, they provide no personal protection but product protection from room contaminants.

KEY FEATURES

Our PCR workstation is equipped with a high-efficiency air filtration system, designed for optimal performance even in critical lab environments.

- **Pre-Filters:** 95% efficient down to 10 microns; box-type pleated filters made from HDPE + non-woven media, fitted in an aluminum frame.
- **HEPA Filters:** 99.97% efficiency down to 0.3 microns, enclosed in anodised aluminium casing. Blower Unit: ¼ HP motor, 1400 RPM with anodized aluminum impellers.
- **Work Area:** Ergonomically designed with SS 304 workbench, easy to clean, and equipped with air/gas cock and electrical outlet.
- **Lighting:** Fluorescent lamp for illumination; manual sliding sash with transparent acrylic front.
- **Electrical Sockets:** Equipped with an additional built-in socket for powering compatible external devices, enhancing lab convenience and setup efficiency.

OPTIONAL FEATURES

- Germicidal UV lamp for pre-sterilization
- Extra electrical sockets and Magnehelic gauge
- Certified with ISO & CE Certification
- We offer horizontal and vertical PCR workstation

CONSTRUCTION

These cabinets are ergonomically designed to provide a long service life. Only thick metal sheets and pipes are used in construction, so that you may get the finest and safest bench on the market today.

There are 3 different MOCS used:

- Complete Stainless Steel 304 / 316
- Inner Stainless Steel, Outer Mild Steel
- Stainless Steel bench, Rest mild Steel

TECHNICAL SPECIFICATION

Model	ALS-INS076PCR
Airflow direction	Vertical
Air cleanliness	Class 100
Construction	SS / Powder coated MS / GI sheet
Airflow direction	Vertical
Sash (front door)	Manual sliding type (Acrylic transparent)
Side panels	Acrylic/polycarbonate / SS
Air velocity	0.45 m/s to 0.65 m/s
Illumination	Fluorescent or LED light
Noise level	65 ±5 dB
Power supply	220 volts / 50 Hz
Air filtration	Pre-Filter - 10 microns (washable) HEPA filter (0.3 Microns)
Standard fittings	Air/gas cock, Mains on/off switch, Light on/off switch, UV Light on/off switch and Blower on/off switch.
Optional	Motorized sliding door UV Hour meter Magnehelic gauge Extra power outlet switches, Footrest Levelling legs for the stand DOP HEPA filter testing

ORDERING INFORMATION

Model	Dimensions (ft)	Internal Dimensions (mm)	External dimensions without stand (mm)	External dimensions with stand (mm)	HEPA Filter Size	No. of Pre-Filters
ALS-PCR222	2 x 2 x 2	610 x 610 x 610	1050 x 757 x 1026	1050 x 757 x 1740	2ft x 2ft x 3inch (1No.)	1
ALS-PCR322	3 x 2 x 2	915 x 610 x 610	745 x 757 x 1026	745 x 757 x 1740	3ft x 2ft x 3inch (1No.)	1
ALS-PCR422	4 x 2 x 2	1220 x 610 x 610	1350 x 757 x 1026	1350 x 757 x 1740	4ft x 2ft x 3inch (1No.)	1

