

# 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: 1/4 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

