

Biosafety Cabinet (Class II A2) 110V



Model : YR0090-1

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Manufacturer : Kalstein

Price : \$ 7,900.00

Description :

This Class II A2 biosafety cabinet's primary purpose is to serve as a means to protect the laboratory worker and the surrounding environment from pathogens.

Biosafety cabinet classes

Class II provides two kinds of protection, both the personnel and the product have protection, because the makeup air is also HEPA filtered. These types of biosafety cabinets have a minimum inflow velocity of 100 ft./min.

This model uses an airflow system that works with a 70% air recirculation and a 30% air exhaust. It also offers three types of protection operator, sample and environment. A2 biosafety cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.

Biosafety cabinet uses

These cabinets have some great and practical features that really makes the job a lot easier. To begin with, this model has a large LCD display, which means you have all the safety parameters at a glance, and its ergonomically sized control panel improves user interface. In addition, it has a 304 stainless steel workstation surrounded by negative pressure. It also comes with two waterproof sockets located in the inside, which makes easier to use small devices inside the cabinet. Also has a remote control, which you can use to make the operations in an easier and more convenient way. Finally, it comes with an UV light with an emission of 253.7 nanometers for more efficient decontamination.

Advantages of biosafety cabinets uses

This model has a small dimension, so it is perfect for almost every workspace. It has a centrifugal fan with adjustable speed and a H14 HEPA filter. With the large LCD display the operators can check Large LCD display: Operators can check detailed status of the cabinet, such as inflow and down flow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator, etc. It also has a time reserve function, which can save 30 minutes waiting-time after activating the cabinet and the sterilization time after any experiment. With the remote control, you can make any action within 6 meters away from the

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cabinet. It has a motorized front window for convenient one-hand operation. In addition, it has a voice prompt function with an airflow alarm, filter replacing alarm and front-window height alarm.

This biosafety cabinet model measures 700x650x1230mm (WxDxH) in the outside and 600x500x540mm (WxDxH) in the inside. It has two HEPA filter with 99.999% efficient at 0.3µm and Filter life indicator. The power consumption is 500W. In addition, it has a 220V±10% 50Hz power supply. The standards accessories are: one piece of fluorescent lamp, two pieces of UV lamps, one remote control, two waterproof sockets and the optional accessories are a base stand and universal casters with brake and leveling feet.

Biosafety Cabinet, Class II A2

- Three protection: operator, sample and environment.
- Airflow system: 70% air recirculation, 30% air exhaust.
- A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.

Features:

- LCD display: Large Digital LCD display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.
- Work Zone: Work zone is made of 304 stainless steel, is surrounded by negative pressure.
- Waterproof Socket: 2 waterproof sockets are located in the side making panel for optimum convenience of using small devices inside the cabinet.
- Remote Control: All functions can be realized with it, the operation much easier and convenient.
- UV Lamp: Emission of 253.7 nanometers for most efficient decontamination.

Advantage:

- Small dimension, save space.
- Centrifugal fan, speed, adjustable; H14 HEPA filter.
- Large LCD display: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
- Time reserve function: This can save 30 minutes waiting time after activating the cabinet and the sterilization time after experiment.
- Remote control: Each function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
- Motorized front window: The front window is motorized for convenient,

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one-hand operation.

- Voice prompt function: Airflow alarm, filter replacing alarm and front window height alarm.

Parameters by Model

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Biosafety Cabinet

Model:	YR0090-1
External Size (WxDxH):	700*650*1230 mm
Internal Size (WxDxH):	600*500*540 mm
Tested Opening:	Safety Height ≤ 200 mm
Max Opening:	370 mm
Inflow Velocity:	0.53±0.025 m/s
Down Flow Velocity:	0.33±0.025 m/s
HEPA Filter:	Two, 99.999% efficient at 0.3µm. Filter life indicator.
Front Window:	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.
Noise:	EN12469 ≤ 58 dB / NSF49 ≤ 61 dB
UV Lamp:	15W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.
Fluorescent Lamp:	40W*1
Illumination:	≥1000Lux
Consumption:	500W
Socket:	Two, total load of two sockets: 500W
Display:	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.
Control System:	Microprocessor
Airflow System:	70% air recirculation, 30% air exhaust
Visual and Audio alarm:	Filter replacement, window over height, abnormal air flow velocity.
Material:	Work Zone: 304 stainless Steel Main Body: Cold-rolled steel with anti-bacteria powder coating.
Work Surface Height:	750mm with optional base stand
Power Supply:	110V±10%, 60Hz
Standard Accessory:	Fluorescent lamp, UV lamp*2, Remote control, Waterproof sockets*2
Optional Accessory:	Base stand, Universal caster with brake and leveling feet.
Gross Weight without Base Stand:	Wooden: 164kg Carton: 121kg
Gross weight with Base Stand	Wooden: 196kg
Package Size without Base Stand(WxDxH)	Wooden: 860*800*1450mm Carton: 820*760*1430mm
Package Size with Base Stand(WxDxH)	Wooden: 860*960*1450mm

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Options available for Biosafety Cabinet (Class II A2) 110V :

Base stand

(YR0090-2) Biosafety Cabinet base stand (+\$ 650.00).