

## YR (A) Series Fume Hood



**Model : YR0102-2**

**YR (A) Series Fume Hood**

**Manufacturer : Kalstein**

**Price : \$ 7,150.00**

### Description :

When performing general chemical applications, it is important to have the right fume hood in order to protect the lab technician from inhaling toxic vapors. Often, people tend to confuse a biosafety cabinet with a fume hood. There is to say that they are different devices, because these devices utilize particulate filters, which do not remove chemical vapors, and they should not be working with any kind of chemicals.

### Fume Hood function

A fume hood is a ventilation system that exhausts chemical fumes, vapors, gasses, dust mist and aerosol. They serve as physical barriers between reactions and the laboratory operator, offering a great protection against any inhalation exposure, chemical spills, run-away reactions and fires. These devices have a box-like structure with a moveable sash window. An extract blower and ductwork constantly and safely ventilate these devices' hood. Fume Hoods are used to protect lab environment and operator during general chemical applications. By installing proper filter, it can also protect the environment.

### Laboratory fume hood

The way a fume hood functions is by maintaining a relatively negative pressure in the hood interior to prevent any contamination from escaping while drawing air in through the hood opening at a consistent rate. There are some recommendations to keep in mind when it comes to handling a fume hood:

- Do not put your head in the hood when contaminants are being generated.
- Minimize foot traffic by the face of the hood. Do not make fast movements when taking items in and out of the hood.
- Keep the hood sash closed as much as possible.
- Do not use the hood as a waste disposal mechanism. Solvent bottles in the fume hood must be capped when not in use.

### Fume Hood specifications

These fume hood models have specific features that makes them the ideal device to have in your laboratory. They have an LED screen that displays

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airflow level. In addition, they have waterproof socket. Moreover, these models have a water and gas remote control and a water tap and water sink. The measurements for this fume hood YR0102-2 model are 1040 mm x 800 mm x 2220 mm on the external size and 820 mm x 670 mm x 730 mm on the internal size. The YR0103-3 model measurements are 1240 mm x 800 mm x 2200 mm on the external size and 1020 mm x 670 mm x 730 mm on the internal size. In addition, the YR0104-3 model measurements are 1540 mm x 800 mm x 2200 mm on the external size and 1320 mm x 670 mm x 730 mm on the internal size. Finally, the YR0105-3 model measurements are 1840 mm x 800 mm x 2200 mm on the external size and 1620 mm x 670 mm x 730 mm on the internal size.

Fume Hood is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapors and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.

### Advantage:

- UV lamp for sterilization.
- Adjustable air speed :9 levels.
- Motorized front window, height adjustable.

### Parameters by Models

## YR (A) Series Fume Hood

	Fume Hood			
Model:	YR0102-2	YR0103-3	YR0104-3	YR0105-3
External Size (WxDxH):	1040*800*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (WxDxH):	820*670*730mm	1020*670*730mm	1320*670*730mm	1620*670*730mm
Work Surface Height:	850mm	850mm	850mm	850mm
Max Opening:	500mm	500mm	500mm	500mm
Air Velocity:	0.3-0.8m/s	0.3-0.8m/s	0.3-0.8m/s	0.3-0.8m/s
Noise:	≤60dB	≤60dB	≤60dB	≤60dB
Exhaust Duct:	PVC, Standard length: 4 meters.			
	Ø300mm	Ø300mm	Ø300mm	Ø300mm
Pipe Strap:	1 pc	1 pc	1 pc	1 pc
Fluorescent Lamp:	14W*1	21W*1	28W*1	36W*1
UV Lamp:	Emission of 253.7 nanometers for most efficient decontamination			
Blower:	Built-in centrifugal blower; Speed adjustable.			
Front Window:	5mm toughened glass; Motorized; Height adjustable.			
Power Supply:	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption:	400W	400W	500W	500W
Exterior:	Cold-rolled steel with anti-bacteria powder coating.			
Interior:	High grade melamine board with good acid and alkali resistance function			
Work Table:	Chemical resistant phenolic resin			
Stand Accessories:	UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet Total load of 2 waterproof sockets: 500W 4-meter PVC exhaust duct, Pipe strap			
Optional Accessory:	Active carbon filter	Active carbon filter	Active carbon filter	Active carbon filter
Gross Weight:	230kg	270kg	370kg	420kg
Package:	Main Body: 1190*990*1690mm	Main Body: 1390*990*1690mm	Main Body: 1690*990*1690mm	Main Body: 1990*990*1690mm
	Base Cabinet: 1290*990*980mm	Base Cabinet: 1390*990*980mm	Base Cabinet: 1690*970*970mm	Base Cabinet: 1990*990*980mm

## YR (A) Series Fume Hood

### Options available for YR (A) Series Fume Hood :

#### Variation

- (YR0103-3) Fluorescent Lamp: 21W \*1 / Gross Weight: 270kg (+\$ 300.00),
- (YR0104-3) Fluorescent Lamp: 28W \*1 / Gross Weight: 370kg (+\$ 900.00),
- (YR0105-3) Fluorescent Lamp: 36W \*1 / Gross Weight: 420kg (+\$ 1,850.00),
- (YR0102-2-1) Fluorescent lamp 14W\*1 / Gross weight 230Kg (110V) (+\$ 250.00),
- (YR0103-3-1) Fluorescent lamp 21W\*1 / Gross weight 270Kg (110V) (+\$ 345.75),
- (YR0104-3-1) Fluorescent lamp 28W\*1 / Gross weight 370Kg (110V) (+\$ 864.38),
- (YR0105-3-1) Fluorescent lamp 36W\*1 / Gross weight 420Kg (110V) (+\$ 1,210.13),
- (YR0102-2-1) Fluorescent lamp 14W\*1 / Gross weight 230Kg (110V),
- (YR0103-3-1) Fluorescent lamp 21W\*1 / Gross weight 270Kg (110V),
- (YR0104-3-1) Fluorescent lamp 28W\*1 / Gross weight 370Kg (110V),
- (YR0102-2) Fluorescent Lamp: 14W \*1 / Gross Weight: 230kg,
- (YR0105-3-1) Fluorescent lamp 36W\*1 / Gross weight 420Kg (110V).