

## YR(W) Series Fume Hood



**Model : YR0103-4**

**YR(W) Series Fume Hood**

**Manufacturer : Kalstein**

**Price : \$ 8,000.00**

**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 a water sink and a water and gas remote control value with a water and gas tap. One of the advantages of owning these fume hoods is that operators are available to walk into the fume hood to operate if needed and they have a large room exhaust system, suitable for large laboratory instruments and equipment. The

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measurements for this fume hood model YR0103-4 model measurements are 1200 mm x 850 mm x 2200 mm on the external size and 1000 mm x 650 mm x 1500 mm on the internal size. In addition, the YR0104-4 model measurements are 1500 mm x 850 mm x 2200 mm on the external size and 1300 mm x 650 mm x 1500 mm on the internal size. Finally, the YR0105-4 model measurements are 1800 mm x 850 mm x 2200 mm on the external size and 1600 mm x 650 mm x 1500 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.

Parameters by Models

## YR(W) Series Fume Hood

Fume Hood			
Model:	YR0103-4	YR0104-4	YR0105-4
External Size (WxDxH):	1200*850*2200mm	1500*850*2200mm	1800*850*2200mm
Internal Size (WxDxH):	1000*650*1500mm	1300*650*1500mm	1600*650*1500mm
Max Opening:	1150mm	1150mm	1150mm
Exhaust Airflow Volume:	1150m <sup>3</sup> /h	1500m <sup>3</sup> /h	1850m <sup>3</sup> /h
Inflow Air Velocity:	≥0.4m/s	≥0.4m/s	≥0.4m/s
Noise:	62dB	62dB	62dB
Vibration:	XYZ direct ≤4μm	XYZ direct ≤4μm	XYZ direct ≤4μm
Illumination:	≥800Lux	≥800Lux	≥800Lux
Fluorescent Lamp:	21W*2	28W*2	40W*2
Power Supply:	AC220V±10%, 50/60Hz; 110 V±10%, 60Hz		
Consumption:	400W	500W	500W
Front Window:	Manual, Toughened glass, Anti UV		
Material:	Exterior: 1.2mm cold-rolled steel with bacteria powder coating.		
	Interior: High grade melamine board with good acid and alkali resistance function		
Standard Accessory:	Blower( External) ,Fluorescent lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets * 4. ? 300mm PVC Duct		
Sockets:	Total load of 4 waterproof sockets: ≤500W		
Package Size (WxDxH):	1410*1050*2430mm	1710*1050*2430mm	2010*1050*2430mm
Exhaust Blower:	970*810*580mm	970*810*580mm	970*810*580mm

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

#### Variation

- (YR0103-4) External size: 1200x850x2200mm,
- (YR0104-4) External size: 1500x850x2200mm (+\$ 500.00),
- (YR0105-4) External size: 1800x850x2200mm (+\$ 2,000.00),
- (YR0103-4-1) External size: 1200\*850\*2200mm (110V) (+\$ 250.00),
- (YR0104-4-1) External size: 1500\*850\*2200mm (110V) (+\$ 750.00),
- (YR0105-4-1) External size: 1800\*850\*2200mm (110V) (+\$ 2,250.00).