

# Fume Hood FHD-1400



Fume Hood FHD-1400 is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapours and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.

- UV lamp for sterilization.
- Motorized front glass window.
- Adjustable air speed: 9 levels.
- Alarm when filter working time 3500 hours.
- With air velocity memory function in case of power failure.
- Back side air compensation, to avoid turbulence in work area.
- 10°slope front ergonomics design, fatigue-free working posture.
- Microprocessor control system, LED display shows filter working time .
- Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

#### **LED Display:**

Digital LED display:Airflow Level

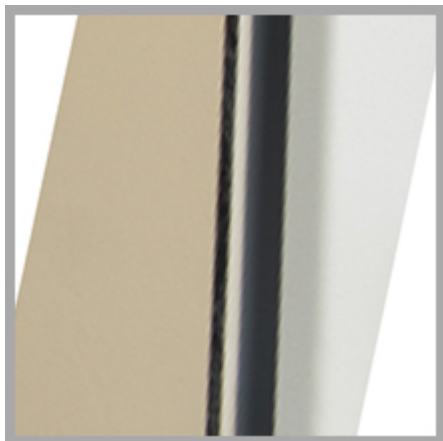


#### **Water&Gas Remote Control**



#### **Double Layer**

1.2mm sheet metal surface, melamine board inward.



#### **Water & Gas Tap, Water Sink**



#### **Foot switch**

Use foot switch to adjust the height of front window



#### **Observation Window**

Transparent side glass windows maximize light and visibility inside the cabinet



### **Back Side Air Compensation**

To avoid turbulence in work area



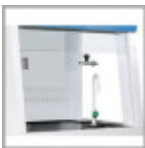
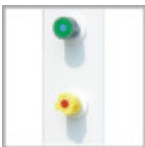
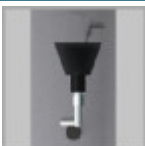
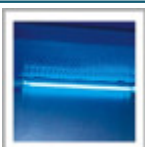
## Technical Specification:

|                                |                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                          | FHD-1400                                                                                                                                                |
| Internal Size (W*D*H) mm       | 820*670*730mm                                                                                                                                           |
| Capacity (liters)              | 400                                                                                                                                                     |
| External Size (W*D*H) cm       | 1040*800*2200mm                                                                                                                                         |
| Max Opening (cm)               | 520mm                                                                                                                                                   |
| Front Window                   | 5mm toughened glass; Motorized; Height adjustable                                                                                                       |
| Noise                          | ≤60dB                                                                                                                                                   |
| UV Lamp                        | Emission of 253.7 nanometers for most efficient decontamination                                                                                         |
| Fluorescent Lamp               | 14W*1                                                                                                                                                   |
| Display                        | LED Display                                                                                                                                             |
| Exhaust Duct                   | Φ300mm PVC, Standard length: 4 meters                                                                                                                   |
| Material                       | Cold-rolled steel with anti-bacteria powder coating. High grade melamine board with good acid and alkali resistance function, Phenolic resin            |
| Work Surface Height            | 850mm                                                                                                                                                   |
| Power Supply                   | 220V/ 50Hz; 220V/ 60Hz; 110V/60Hz                                                                                                                       |
| Standard 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 Accessories           | Active carbon filter                                                                                                                                    |
| Gross Weight                   | 230kg                                                                                                                                                   |
| Shipping Dimensions (W*D*H) cm | Main Body 1190*990*1690 mm Base Cabinet 1290*990*980mm                                                                                                  |
| Exhaust Blower                 | Built-in centrifugal blower; Speed adjustable                                                                                                           |
| Electrical Requirements        | 220V/50Hz                                                                                                                                               |
| Consumption                    | 400W                                                                                                                                                    |
| Airflow Velocity (m/s)         | 0.3~0.8m/s                                                                                                                                              |

## Technical Data:

| Model                   |              | FHD-1400                                                                  |  | FHD-1500         |  | FHD-1600        |  | FHD-1700        |  |
|-------------------------|--------------|---------------------------------------------------------------------------|--|------------------|--|-----------------|--|-----------------|--|
| External Size (W*D*H)   |              | 1040*800*2200mm                                                           |  | 1240*800*2200mm  |  | 1540*800*2200mm |  | 1840*800*2200mm |  |
| Internal Size (W*D*H)   |              | 820*670*730mm                                                             |  | 1020*670*730mm   |  | 1320*670*730mm  |  | 1620*670*730mm  |  |
| Capacity (liters)       |              | 401                                                                       |  | 498              |  | 645             |  | 792             |  |
| Work Surface Height     |              | 850mm                                                                     |  |                  |  |                 |  |                 |  |
| Max Opening             |              | 500mm                                                                     |  |                  |  |                 |  |                 |  |
| Air Velocity            |              | 0.3~0.8m/s                                                                |  |                  |  |                 |  |                 |  |
| Noise                   |              | 760dB                                                                     |  |                  |  |                 |  |                 |  |
| Exhaust Duct            |              | PVC, Standard length: 4 meters.                                           |  |                  |  |                 |  |                 |  |
|                         |              | 7300mm                                                                    |  |                  |  |                 |  |                 |  |
| Pipe Strap              |              | 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            |              | 220V±10%, 60/50Hz7110V±10%, 60Hz                                          |  |                  |  |                 |  |                 |  |
| Consumption             |              | 400W                                                                      |  | 400W             |  | 500W            |  | 500W            |  |
| Material                | Exterior     | Cold-rolled steel with anti-bacteria powder coating.                      |  |                  |  |                 |  |                 |  |
|                         | Interior     | High grade melamine board with good acid and alkali resistance function   |  |                  |  |                 |  |                 |  |
|                         | Work Table   | Phenolic resin                                                            |  |                  |  |                 |  |                 |  |
| Standard 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 Accessories    |              | Active carbon filter                                                      |  |                  |  |                 |  |                 |  |
| Gross Weight (kg)       |              | 230kg                                                                     |  | 270kg            |  | 370kg           |  | 420kg           |  |
| Package                 | Main Body    | 1190*990*1690 mm                                                          |  | 1390*990*1690 mm |  | 1690*990*1690mm |  | 1990*990*1690mm |  |
|                         | Base Cabinet | 1290*990*980mm                                                            |  | 1390*990*980mm   |  | 1690*970*970mm  |  | 1990*990*980mm  |  |
| Electrical Requirements |              | 110V                                                                      |  | 220V             |  | 110V            |  | 220V            |  |
| Catalogue No.           |              |                                                                           |  |                  |  |                 |  |                 |  |

## Accessories:

| Model | Image                                                                               | Name                                       | Details                                                                                                      |
|-------|-------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|       |    | LED Display for Fume Hoods                 | <b>LED Display</b><br>Digital LED display: Airflow Level                                                     |
|       |    | Water & Gas Tap, Water Sink for Fume Hoods | Water & Gas Tap, Water Sink                                                                                  |
|       |    | Foot switch for Fume Hoods                 | <b>Foot switch</b><br>Use foot switch to adjust the height of front window                                   |
|       |    | Observation Window for Fume Hoods          | <b>Observation Window</b><br>Transparent side glass windows maximize light and visibility inside the cabinet |
|       |   | Back Side Air Compensation for Fume Hoods  | <b>Back Side Air Compensation:</b> To avoid turbulence in work area                                          |
|       |  | Water & Gas Remote Control for Fume Hoods  | Water & Gas Remote Control                                                                                   |
|       |  | Water Sink for Fume Hoods                  | Water Sink                                                                                                   |
|       |  | Waterproof Socket for Fume Hoods           | Waterproof Socket                                                                                            |
|       |  | UV Lamp for Fume Hoods                     | UV Lamp                                                                                                      |
|       |  | PP Sink for Fume Hoods                     | PP sink                                                                                                      |



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