

## Fume Hood



Laboratory fume hood with an activated carbon filter that protects staff from hazardous chemical fumes and gases.

### Optional filtration systems

|                                                            |                                                                               |
|------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Activated carbon filter (optional) – Function:</b>      | Absorbs organic vapors, solvents, and chemical odors                          |
| <b>Activated carbon filter (optional) – Suitable for:</b>  | Organic solvents – volatile chemical fumes – odor control applications        |
| <b>Activated carbon filter (optional) – Advantage:</b>     | Excellent for general laboratory chemical odor removal and VOC reduction      |
| <b>Granular / pellet filter (optional) – Function:</b>     | Captures aggressive chemical vapors and reactive gases                        |
| <b>Granular / pellet filter (optional) – Suitable for:</b> | Acidic fumes – strong chemical vapors – high-concentration chemical processes |
| <b>Granular / pellet filter (optional) – Advantage:</b>    | Higher resistance and performance for heavy chemical applications             |

### Main components

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| <b>Work chamber:</b>       | Cold-rolled steel with anti-bacterial powder coating                     |
| <b>Work surface:</b>       | Chemical-resistant epoxy-coated surface for durability and easy cleaning |
| <b>Front window:</b>       | Tempered glass or acrylic sliding sash with adjustable height            |
| <b>Ventilation system:</b> | High-performance centrifugal blower with optional filtration system      |
| <b>Control panel:</b>      | LCD display for fan speed and lighting control                           |
| <b>Lighting:</b>           | High-efficiency fluorescent lamp for clear workspace visibility          |
| <b>Internal sockets:</b>   | Built-in electrical outlets for laboratory equipment                     |
| <b>Power supply:</b>       | 220V $\pm 10\%$ , 50–60 Hz                                               |

### Features



- Optional filtration system based on application requirements
- Fully sealed structure to prevent leakage of hazardous fumes
- Audible and visual alarm system for airflow or system faults
- Adjustable front sash for optimized airflow and user safety
- Durable anti-bacterial coated steel construction
- Chemical-resistant and easy-to-clean work surface
- Multiple internal power sockets for lab equipment
- Energy-efficient fluorescent lighting system

### Additional technical details

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| <b>Noise level:</b>   | ≤ 55 dB                                                          |
| <b>Safety system:</b> | Visual and audible alarms for airflow failure or fan malfunction |
| <b>Sash type:</b>     | Manual sliding tempered glass or acrylic                         |
| <b>Lighting:</b>      | Fluorescent lamp (model dependent)                               |

### Why LabX fume hood?

- Fully customizable filtration system
- Strong protection against chemical fumes and vapors
- Industrial-grade durable construction
- Safe and stable continuous operation
- Suitable for all laboratory environments
- Easy maintenance and long operational life

### Models and specifications

| Model    | Internal size (W×D×H) (cm) | External size (W×D×H) (cm) | Blower capacity (m³/h) | Internal sockets | Control display | Material                    |
|----------|----------------------------|----------------------------|------------------------|------------------|-----------------|-----------------------------|
| FHX-60T  | 60 × 60 × 60               | 60 × 60 × 220              | 700                    | 1                | LCD             | Anti-bacterial coated steel |
| FHX-90T  | 90 × 70 × 60               | 100 × 80 × 220             | 950                    | 2                | LCD             | Anti-bacterial coated steel |
| FHX-120T | 120 × 70 × 60              | 130 × 80 × 220             | 1200                   | 2                | LCD             | Anti-bacterial coated steel |
| FHX-150T | 150 × 70 × 60              | 160 × 80 × 220             | 1500                   | 2                | LCD             | Anti-bacterial coated steel |
| FHX-180T | 180 × 70 × 60              | 190 × 80 × 220             | 1700                   | 2                | LCD             | Anti-bacterial coated steel |
| FHX-200T | 200 × 70 × 60              | 210 × 80 × 220             | 1800                   | 2                | LCD             | Anti-bacterial coated steel |

### Warranty

One-year comprehensive warranty on all devices · Two-year warranty against manufacturing defects · Maintenance contract after the warranty period