



מנדף כימי סדרת FH

 **PURE-AIR PROJECTS**  
Clean Room Solutions

054-809-0033 | 052-823-3164 | [info@pure-air-projects.co.il](mailto:info@pure-air-projects.co.il)

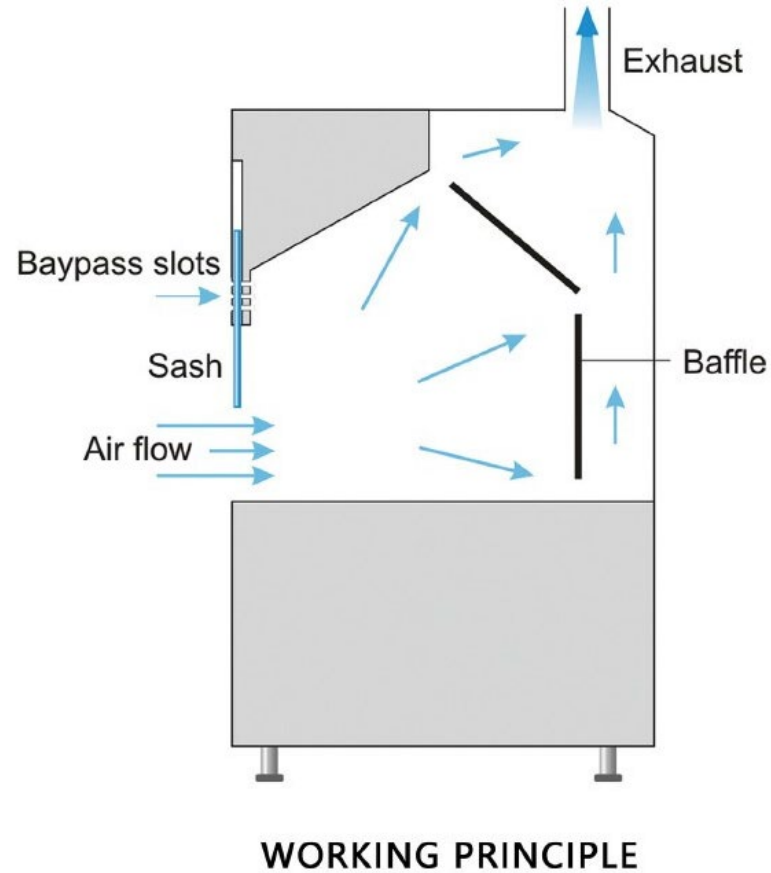
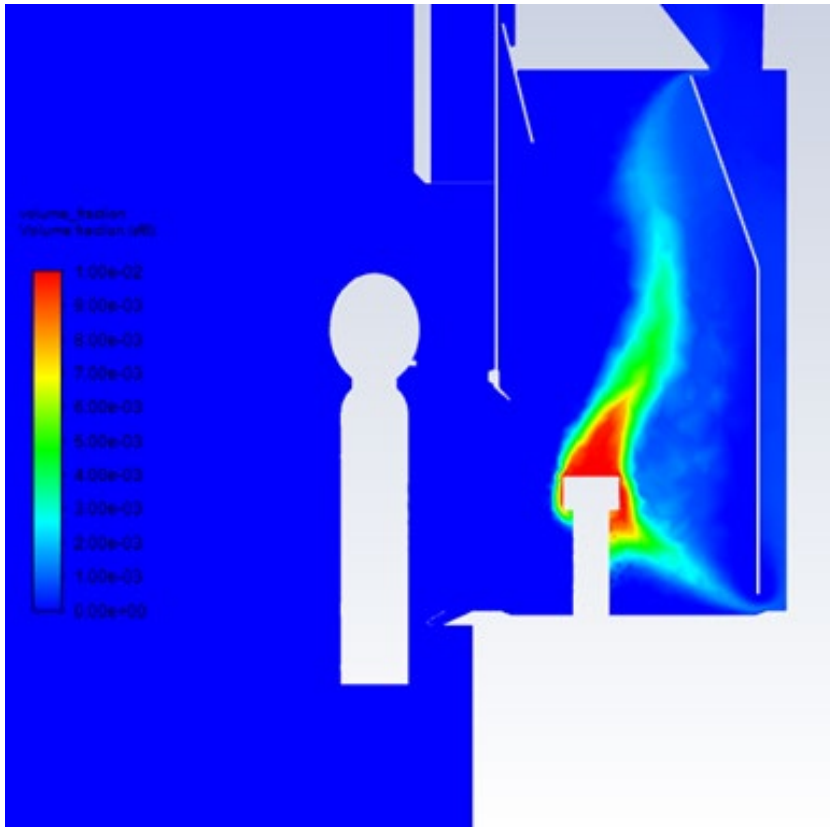
- בעת שימוש בחומרים מסוכנים כגון סולבנטיים נדרשת הגנה על מרחב הנשימה וגופו של הלבורנט
- מנדף כימי מתוכנן לייצר זרימה שכבתית אופקית ולסלק מזהמים
- האוויר נשאב מהמעבדה אל המנדף במהירות של 0.3-0.8 מטר בשנייה דרך פתח החזית ומונע פיזור מזהמים בחלל המעבדה

- חומרי מבנה נירוסטה ציפוי טרספה וכו'
- מערכות בתקן ATEX
- מערכות סינון וספיחה
- רשת כימית לכיור לחיבורי גז
- ארון אחסנה תחתון
- שקעי חשמל ייעודיים

**מרחב נשימה נקי ממהמים וסביבת עבודה בטוחה ונקייה**



- האוויר נשאב דרך הדלת בחזית או מעקף כאשר הדלת סגורה
- יצירת מצב של תת לחץ בחלל המנדף מונעת ממזהמים לצאת חזרה אל חלל המעבדה ומייצרת מרחב נשימה נקי ממזהמים



## HOOD BODY&BASE CABINET

1.0mm full-thickness high-quality cold-roll steel sheet is used as a whole; the steel surface is treated, phosphating and other processes, and then electrostatic powder sprayed with epoxy resin, cured at 220°C high temperature. and the surface is smooth, with a thickness of up to 1.15mm~1.2mm.



## WORK SURFACE

Standard Work Surface: Phenolic Resin with water baffle.  
Optional: Epoxy Resin/PP/Stainless Steel/Ceramic/Granite/Marble.



## GLASS SASH

Use explosion-proof 5mm tempered glass, aluminum alloy sash handle. It is designed by the weight balance method in the mechanical principle, and the left and right are connected by synchronous wheels.



## BAFFLE

Use 5mm Compact grade laminate, fixed with PP material. Three-stage design, there is no blind angle of airflow in the cabinet, and all the toxic and harmful gases of different specific gravity generated during the experiment can be discharged out of the cabinet.



## LINER

Use 5mm Compact grade laminate, its structure has a pressure release effect on explosive



All steel fume hood is the most basic and common of all fume hoods. Steel fume hood is generally applicable for common laboratory applications such as boiling, evaporation, drying, and other applications that emit noxious fumes and vapors.



Model	FH-120	FH-150	FH-180
External Dimension (W*D*H)(mm)	1200*850*2350	1500*850*2350	1800*850*2350
Internal Dimension (W*D*H)(mm)	960*680*1150	1260*680*1150	1560*680*1150
Base Cabinet Dimension (W*D*H)(mm)	1200*800*850 (Can remove)	1500*800*850 (Can remove)	1800*800*850 (Can remove)
Exhaust air volume	700-1300m³/h	900-1700m³/h	1300-2100m³/h
Air Velocity	0.3~0.8 m/s		



### AIR FOIL

Aerodynamic curve allows air to sweep the work surface maximizing containment. Reduces energy consumption by 7-10% compared to flat air foils.



### BY-PASS SLOTS

By-pass airflow design with variable air volume compatibility. Compensating opening that maintains a relatively constant volume exhaust through a Fume Hood regardless of sash position and that functions to limit the maximum face velocity as the sash is lowered.



### LIGHTING

Equipped with LED 30W purification lamp, the luminosity is greater than 300LUX.



### SERVICE ACCESS

Removable service access on both sides for easy installation and maintenance of circuits, gas circuits and other accessories.



### CONTROLLER

Intelligent button or touch screen with digital display, multiple controls power on, fan, lighting, socket, sterilization, damper, etc.



### JUNCTION BOX

The junction box with circuit board and AC contactor makes wiring more convenient. Suitable for 110V-230V voltage.



### CRASH PAD

Effectively prevent impact damage and reduce noise.



### GLASS SASH CHUTE

Effectively prevent the window from shaking back and forth and protect the door frame.



### SASH WEIGHT CHUTE

Effectively reduce shaking during operation, reduce noise, and avoid damage during transportation.



### SYNCHRONOUS BELT & PULLEY

PP+Fiber+Steel Wire Material, belt surface is durable, with less friction for movement and easier sliding.



### HINGE

DTC buffer hinge, good corrosion resistance and long service life.



### FOOTING

Use lab-specific adjustable feet with an adjustment range of  $\geq 35$ mm, strong bearing capacity, the balance of the Fume hood can be adjusted.



### WATER TAP& SINK

- 1x Bench-mounted single water tap
- 1x PP oval cupsink
- 1x PP material anti-siphon bottle trap



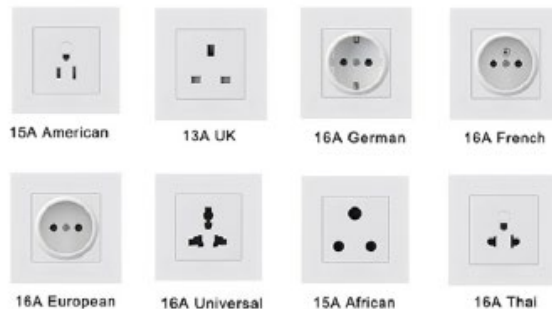
### REMOTE CONTROL SYSTEM (OPTIONAL)

Interior mounted hole for gas, air, water, vacuum and other services have remote control knobs on the corner posts for use regardless of sash position. Prepared for up to two fixtures on each side (Four total).



### EXHAUST HOOD

Used PP material and one-piece molded and top outlet pipe diameter is  $\Phi 250/315\text{mm}$



### ELECTRIC OUTLET

Each national standard electric outlet is available





# **PURE-AIR PROJECTS**

Clean Room Solutions

054-801-0129 | 055-562-1664 | [Office@pure-air-projects.co.il](mailto:Office@pure-air-projects.co.il)