

# Fume Hood (General Purpose)



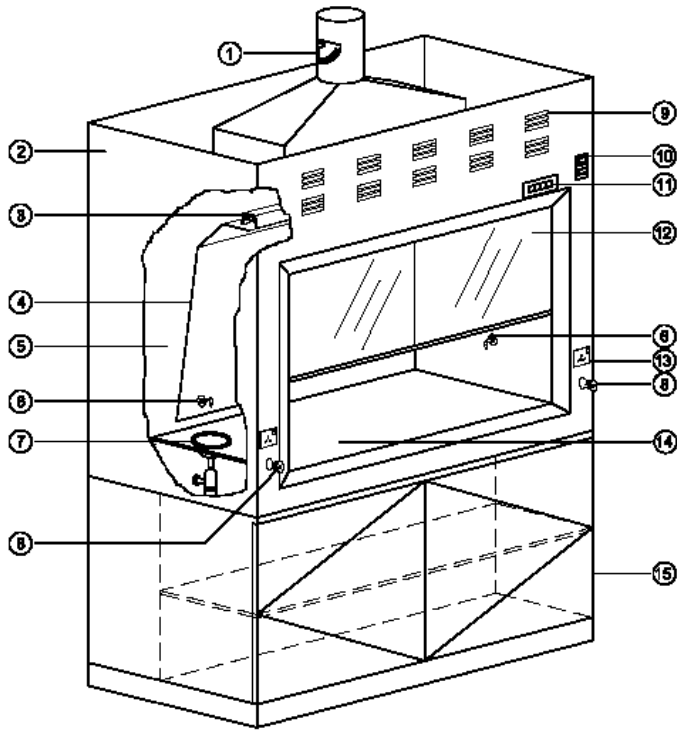
The Effective Solution to Air Pollution Problems

www.echoswift.com

Health And Hygiene In Workplace Environment

The Echoswift supplies fume hood for all applications and conditions. Ease of use, maintenance, and installation. The **ECHO** Fume Hood is designed to give a very high degree of protection and safety environment to users from harmful, toxic or hazardous.

Ergonomic features, like taller sight lines, a crush-resistant sill airfoil, and a wire chase that keeps cords out of your way. Safety features that are far above the industry standard – including higher-rated safety glass, thicker liner board, and consistent airflow delivery for the life of the hood.



- 1. Volume Air Damper**  
Exhaust outlet with air damper (optional).
- 2. Main Body**  
Baked epoxy coated electro-galvanized (EG) steel optional F.R.P. (Fibre Reinforced Polyester).
- 3. Lighting**  
2 x 20 watts fluorescent light. The white light provides a nature and conducive working environment.
- 4. Rear Baffle**  
Baffle helps to even out the fume suction within the inner chamber and also assist in the disposal of heavy fumes.
- 5. Inner Chamber**  
The inner chamber is moulded in one piece with an unbroken gelcoat, without seams or joints. The corners are reduced to prevent accumulation of dirt, and to facilitate decontamination.
- 6. Water / Gas Outlet**  
One way cold water / LPG gas outlet (wall mounted type).
- 7. Drip Cup**  
Circular drip cup with anti siphon bottle trap.
- 8. Water / Gas Tap**  
Remote control for cold water and LPG gas outlet.
- 9. Louvered Bypass**  
Louvers provide an additional source of exhaust air when the sash is lowered, helping to maintain consistent face velocities.
- 10. Safety Monitor (Recommended)**  
The optional electronic safety monitor activates an alarm if face velocity reaches a predetermined set point.
- 11. Switch Point**  
On/off button for fume hood with LED indicator and switch for fume hood lamp.
- 12. Sash**  
The sash is made from 6mm thick toughened glass. The sash counterbalanced with weight linked by stainless steel cable running over nylon pulleys. The sash fits snugly into the sash guide within the side channels to provide for smooth and easy operation.
- 13. 13 amp Power Socket**
- 14. Work Surface**  
Moulded from black or grey modified epoxy polyester resin with fiberglass reinforce plastic. It has an anti-spill edge all round to curb any accidental spillage.
- 15. Base Cabinet**  
The base cabinet is made from steel framing. It comes complete with hinged

## Fan / Blower



FRP Fan



P.P fan



Belt Driven

## Accessories



Impeller (P.P)

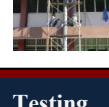
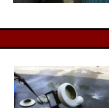
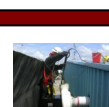
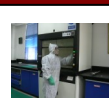


Motor

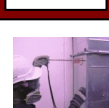


Gas Phase Filter

## Service



## Testing



| SPECIFICATION                | MODEL  |                   |                   |                   |
|------------------------------|--|-------------------|-------------------|-------------------|
| Description                  | ECHO 1.2 GP  | ECHO 1.5 GP       | ECHO 1.8 GP       | ECHO 2.4 GP       |
| Dimension (W x D x H) mm     | 1200 x 760 x 2400  | 1500 x 760 x 2400 | 1800 x 760 x 2400 | 2400 x 760 x 2400 |
| Internal Dim. (W x D x H) mm | 950 x 610 x 1500   | 1250 x 610 x 1500 | 1550 x 610 x 1500 | 2150 x 610 x 1500 |
| Construction                 | Main Body: Baked epoxy coated electro-galvanized (EG) steel<br>Inner Chamber: Fire-retardant F.R.P. (Fiber Reinforced Polyester)<br>Work Surface: Epoxy<br>Sash: Tempered glass, 6mm thickness (toughed glass)<br>Base cabinet: Baked epoxy coated electro-galvanized (EG) steel sheet |                   |                   |                   |
| Service Fixtures             | Drip cup made of polypropylene (PP)<br>1 unit gas fixture<br>1 unit water fixture<br>2 units 13 Amp electrical socket outlet   |                   |                   |                   |
| Lighting                     | 2 x 20 watts Soft fluorescent light for interior illumination  |                   |                   |                   |
| Optional                     | Centrifugal Fan/ Blower 3 or 1phase (FRP, P.P, etc.)<br>Volume air control/ Damper (PVC)<br>Motorize Damper, Airflow Monitoring  |                   |                   |                   |

*Our skillful team could design and install to comply with Use and Standard of Exposure Chemical Hazardous to Health (USECHH) Regulation 2000*

### Terengganu (HQ)

Lot PT 14293 (Plot A), Kawasan Perindustrian Batu 7,  
23000 Dungun, Terengganu Darul Iman.

Phone no.: 09-8490046 Fax. No.: 09-8490032 e-mail: echos@echoswift.com

### Selangor (Branch)

BE-1-7A Jalan Pinggiran 1/4, Taman Pinggiran Putra,  
43300 Seri Kembangan, Selangor Darul Ehsan.

Phone: 012-9887600 email : echoswift@yahoo.com