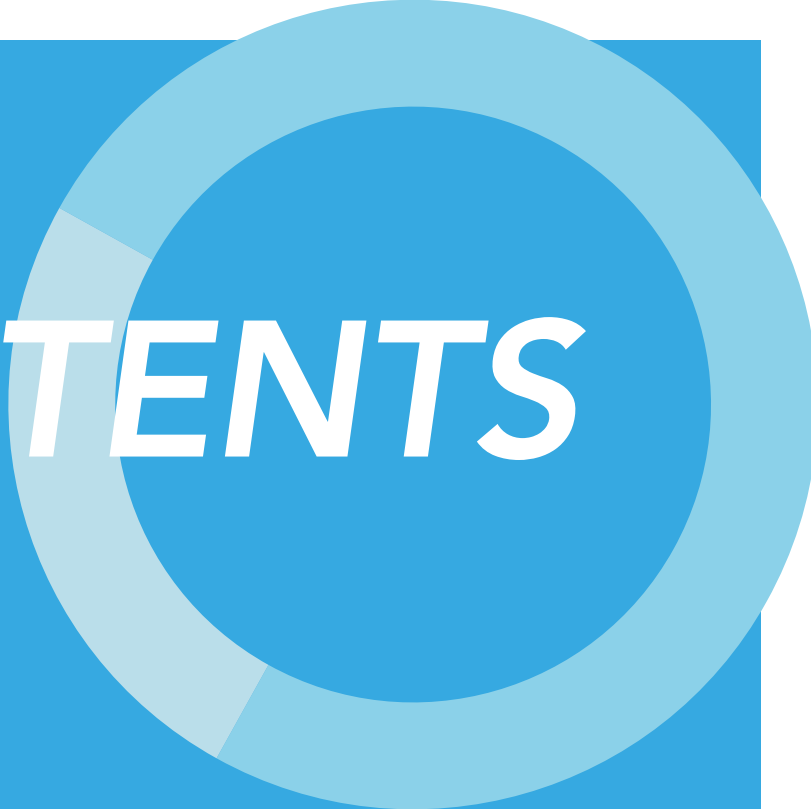




# PERCHLORIC<sub>ACID</sub> FUME HOOD





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# Features

## Perchloric Acid Fume Hood

Advancelab manufactures market leading perchloric acid fume hoods that are robustly built to exacting standards for your peace of mind and safety.

- Fully welded Polypropylene construction
- European origin polypropylene material Rochling or Simona
- Built-in spray bar behind baffle to prevent build up of perchloratesalts
- Chemical resistant pump by IWAKI Japan
- Removable holding tank for cleaning
- Skid below tank for spills
- Easy access to tank and pump



Polycarbonate With Easygrip Hand Rail

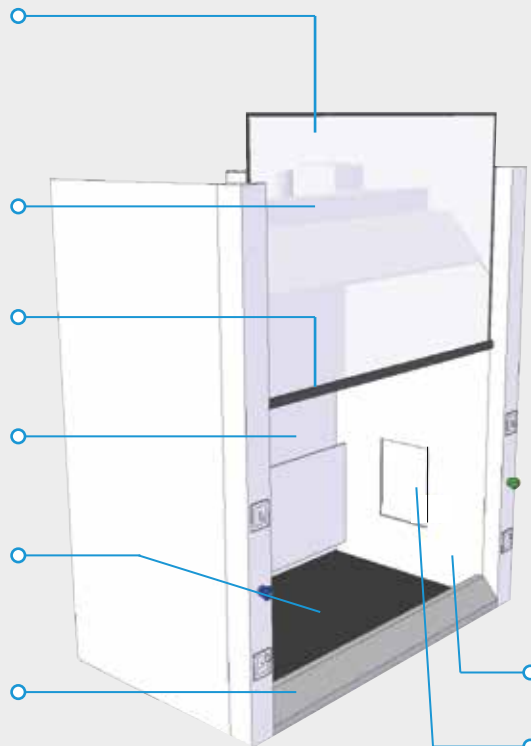
Purpose Built Light Box External to Airflow, Preventing Any Corrosion and Minimizing Turbulence

Counterbalanced Sash Assembly for Years of Trouble Free Use

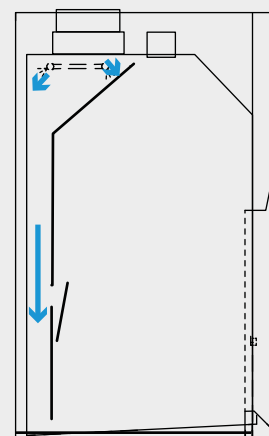
Polypropylene Inner Liner and Baffle with Built In Slots for Efficient Scavenging

Dished Epoxy Resin Worktop With, High Chemical and Heat Resistance, Black

Polypropylene Airfoil Designed to Maximize Air Sweep of Work Surface



### Internal Wash-down Water Flow Illustration



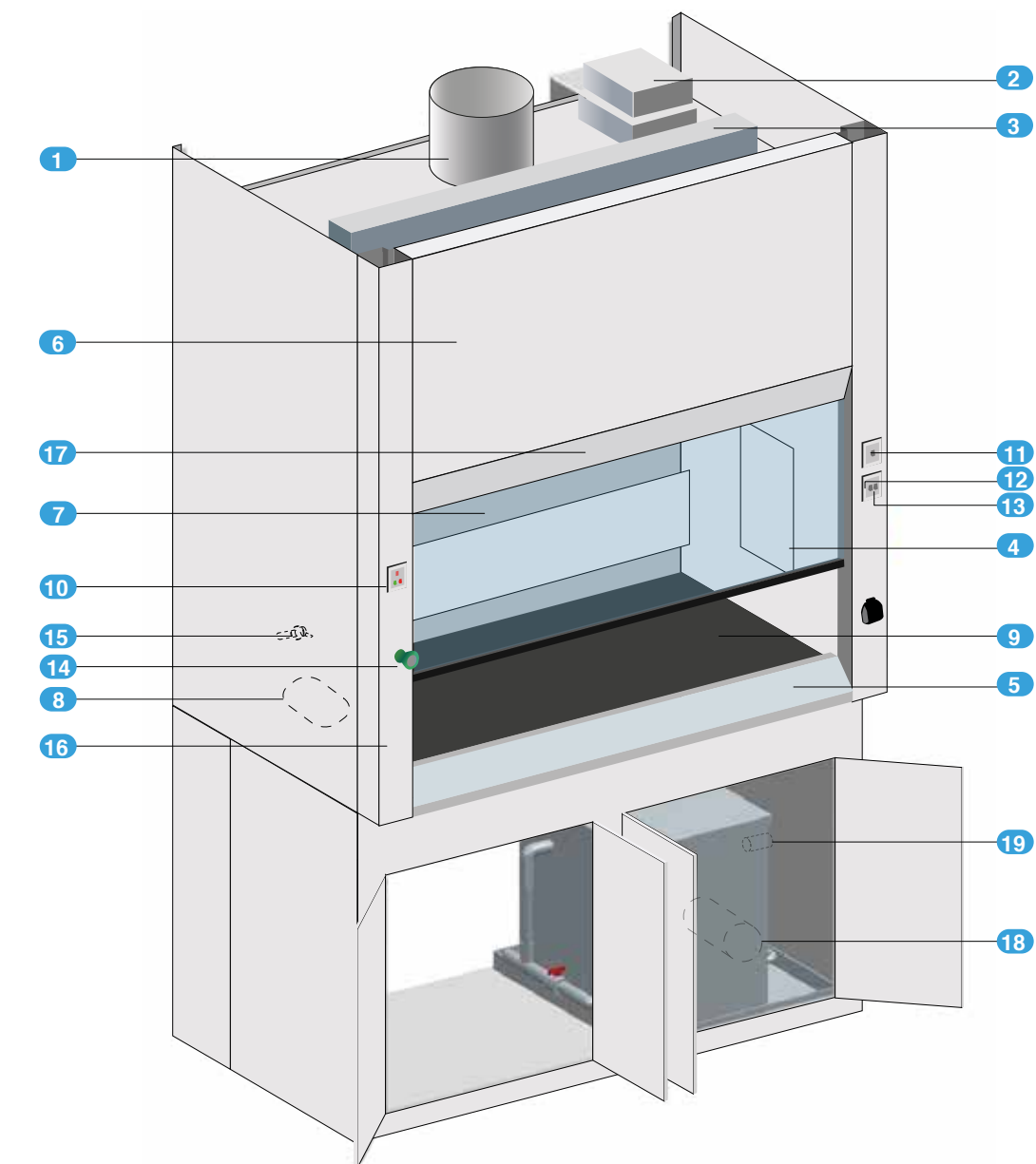
Double Layered Fume Hood Design

2 Side Access Panels Built Into Inner Liner for Future Addition of Utilities

# Technical Specifications

| MODEL                                            | AD04FH-PP-PCH                                                                                                     | AD05FH-PP-PCH           | AD06FH-PP-PCH                                                                                                                                   | AD08FH-PP-PCH           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Dimensions, mm (LxWxH)<br>Including base cabinet | 1220 mm x 920mm x 2420mm                                                                                          | 1520mm x 920mm x 2420mm | 1820mm x 920mm x 2420mm                                                                                                                         | 2420mm x 920mm x 2420mm |
| Body                                             | Full Polypropylene hot weld construction                                                                          |                         |                                                                                                                                                 |                         |
| Worktop                                          | 19mm dished black epoxy resin include marine edge                                                                 |                         |                                                                                                                                                 |                         |
| Inner Liner & Baffle                             | Polypropylene                                                                                                     |                         |                                                                                                                                                 |                         |
| Airfoil                                          | Polypropylene                                                                                                     |                         |                                                                                                                                                 |                         |
| Standards Complied                               | ASHRAE 110-95<br>BS 7258 (with Optional Controller)<br>EN 14175 (with Optional Controller)                        |                         |                                                                                                                                                 |                         |
| Services                                         | <ul style="list-style-type: none"><li>• 1 no. Pre Plumbed Cold Water Remote</li><li>• 1 no. PP Cup Sink</li></ul> |                         | <ul style="list-style-type: none"><li>• 2 nos. Pre wired power sockets</li><li>• Spray bar behind baffle</li></ul>                              |                         |
| Controls                                         | <ul style="list-style-type: none"><li>• Fan ON/OFF switch</li><li>• Light ON/OFF switch</li></ul>                 |                         | <ul style="list-style-type: none"><li>• Wet Scrubber Pump (WSP) ON/OFF switch</li><li>• Internal Wash-down System (IWS) ON/OFF switch</li></ul> |                         |
| Base                                             | Standard Polypropylene base cabinet                                                                               |                         |                                                                                                                                                 |                         |
| Duct Collar                                      | 200 mm                                                                                                            | 250 mm                  | 300 mm                                                                                                                                          | 300 mm x 2              |
| Design Velocity                                  | 0.5 m/s at 500mm sash height                                                                                      |                         |                                                                                                                                                 |                         |
| Extract Volume at 500mm<br>Height Sash Opening   | 1188 CMH                                                                                                          | 1512 CMH                | 1836 CMH                                                                                                                                        | 2481 CMH                |

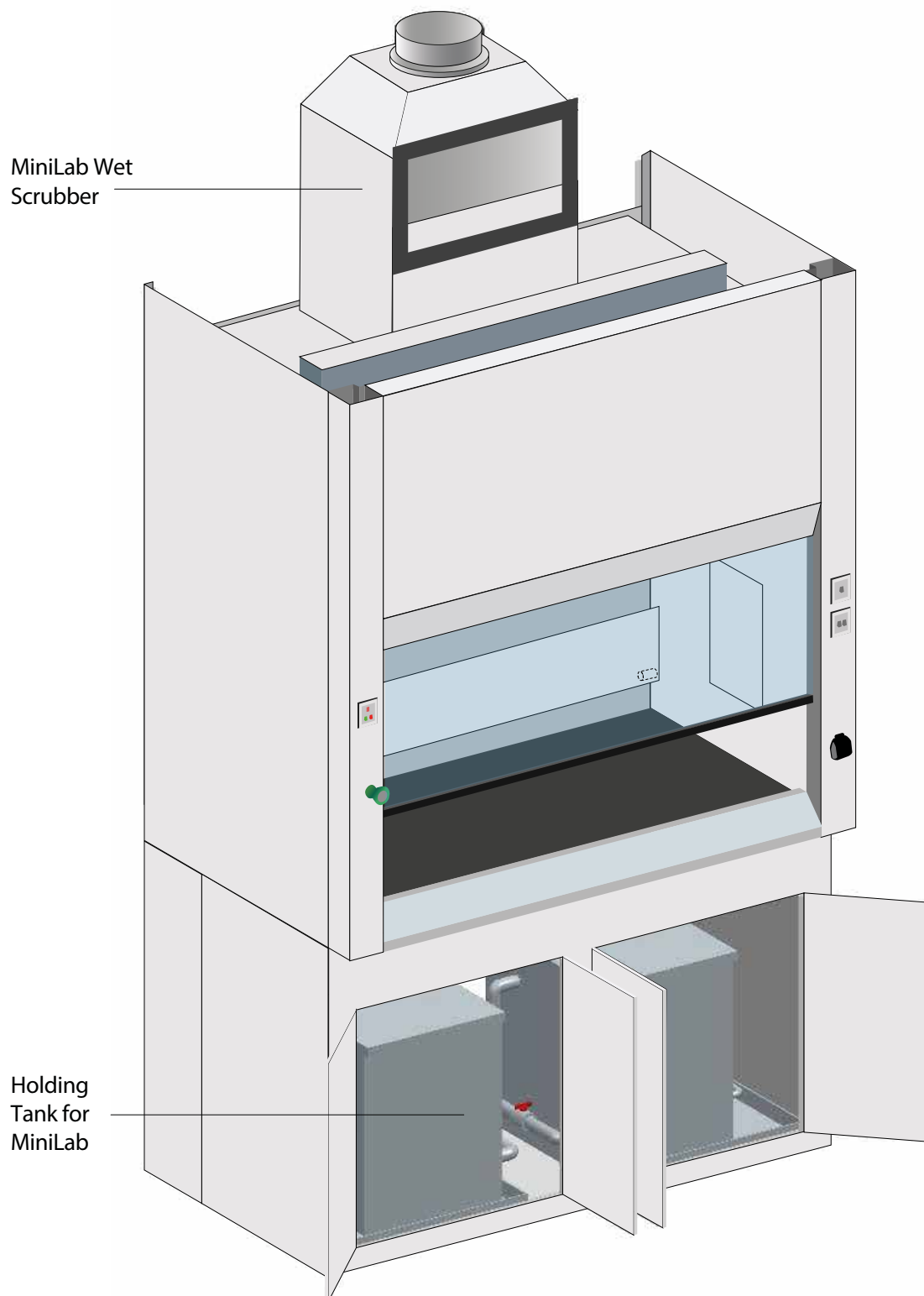
# Parts



- |                                        |                                                |
|----------------------------------------|------------------------------------------------|
| 1. PVC Exhaust Collar                  | 12. Wet Scrubber Pump ON/OFF Switch (Optional) |
| 2. Electrical Junction Box             | 13. Internal Wash System ON/OFF Switch         |
| 3. External Light Box                  | 14. Water Fixture Remote                       |
| 4. Side Access Panel                   | 15. Water Faucet                               |
| 5. Polypropylene Airfoil               | 16. Electrical Outlets                         |
| 6. Polypropylene Removable Front Panel | 17. Aerodynamic Front Fascia                   |
| 7. Tempered Glass Sash                 | 18. Pump Connected To Spray Bar (IWS)          |
| 8. Polypropylene Cup Sink              | 19. Water Inlets                               |
| 9. Epoxy Resin Worktop                 |                                                |
| 10. Fan ON/OFF Switch                  |                                                |
| 11. Light ON/OFF Switch                |                                                |

# Parts

With Optional MiniLab Wet Scrubber



# Options & Accessories

## Superstructure

Polypropylene  
PVDF

## Distillation Grid

- Aluminium
- SS 304
- SS 316

## Microprocessor Airflow Alarm

- Digital Display with Alarm
- Digital Display with Alarm & VAV/VSD Output

## Services

- Compressed Air (CA)
- Distilled Water (DI)
- Nitrogen (N2)
- Oxygen (O2)
- Vacuum (Vac)



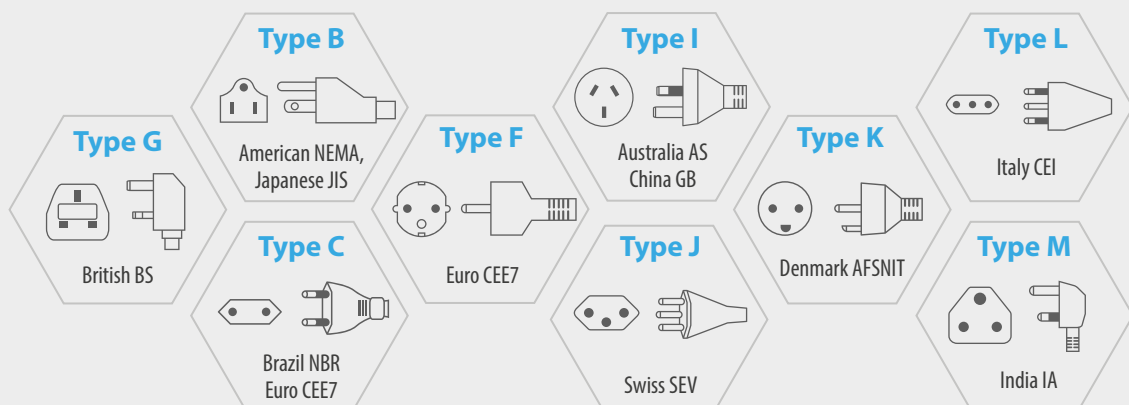
## Ex Proof Configurations

- Ex proof lights
- Ex proof on/off switch

Please advise factory of details required

- Ex proof Electrical Sockets
- Ex proof electrical junction box

## Power Socket Standards



# Warranty

**Products Manufactured by Advancelab:** Advancelab(S) Pte.Ltd., warrants products that it manufactures to be free from defects for a period of 12 months for parts, commencing from the date of shipment. Advancelab's sole responsibility is to repair or replace, at its option, any part of the product that proves defective or malfunctioning during this time limit. This warranty is void if the equipment is abused or modified by the customer, is operated outside Advancelab's operating instructions or specifications, or is used in any application other than that for which it is specified. This warranty does not include routine maintenance or service procedures, breakage, shipping damage, nor damage from misuse, intentional or unintentional abuse, neglect, natural disasters, or acts of God.

**Freight Shortage or Damage:** Upon receipt of any equipment from Advancelab, customer shall immediately unpack and inspect for damage or shortage. The customer shall not accept a damaged package or a short shipment until the carrier makes a "damage or shortage" notation on both the carrier's and customer's copy of the freight bill or delivery receipt. Service title passes when the shipment is loaded, so customer is responsible for filing and collecting a freight claim. Any replacement products must be ordered and paid for separately.

Generally, customers can improve the chance of collecting on a freight claim by following these procedures:

1. Formally requesting that the carrier inspect the shipment immediately upon suspecting damage or shortage to verify condition.
2. Notifying the carrier upon discovery of concealed damage and requesting an inspection within 15 days of receipt, both in person or phone and following up via mail.
3. Keeping the shipment as intact as possible, including retaining original packaging materials and keeping the product as close to the original receiving location as possible.
4. Holding salvage for disposition by the carrier.

**All Claims:** Advancelab (S) Pte.Ltd., expressly disclaims all other warranties, expressed or implied or implied by statute, including the warranties of merchantability or fitness for intended use. Advancelab is not responsible for consequential or incidental damages arising out of the purchase or use of the products supplied by Advancelab. Advancelab is not liable for damage to facilities, other equipment, products, property or personnel of others, or of their agents, suppliers, or affiliated parties, which is caused or alleged to have been caused by products supplied by Advancelab. In any event or series of events, Advancelab's total liability for any and all damages whatsoever is limited to the lesser of the actual damages or the original invoice cost of the items alleged to have caused the damage. The customer's sole and exclusive remedy for any cause of action whatsoever is repair or replacement of the non-conforming products or refund of the actual purchase price, at the sole option of Advancelab. All claims must be made in writing within 90 days of the date the product was shipped. Any claims not made within this time limit shall be deemed waived by the customer. Advancelab is not responsible for any additional costs of repair caused by poor packaging or in-shipment damage during return.

**Warranty Returns:** All warranty returns must be authorized in advance by Advancelab and approved by writing. Unless approved in advance for good reason, all returns must be in original condition, including all manuals, and must be packaged in original packaging materials. All returned goods are to be shipped to Advancelab, freight prepaid at customer's expense.



AdvanceLab has built a rock steady reputation for solutions where most fail. Since our establishment in 2003, we have positioned ourselves as the premier facility solution provider for the scientific industry; designing, building and delivering quickly and without fuss. We have also taken our brand of expertise globally; now with exports of laboratory casework, fume hoods, laminar flow cabinets and clean booths heading to 30 countries, covering all continents.

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