

Create a safe working environment in your Biological Safety Cabinet

1. DAMAGE AT THE EXHAUST FILTER

Don't store anything on the top of a Biosafety cabinet which is not connected to an exhaust system as the Biosafety cabinet has an exhaust HEPA filter. This filter is very fragile and can be damaged easily. Keep the top of the cabinet clear!

2. CLIPBOARD IN CABINET

Take care to separate clean items from dirty items inside the cabinet. Use a systematic process (i.e. left to right or front to back) to avoid contamination.

- Limit items inside the cabinet to only the most essential.

3. CLIPBOARD IN CABINET

Anything placed into the cabinet becomes contaminated - pens, pencils, clipboards, etc. If this occurs always disinfect the item before taking it out.

- Use only the items essential to your task in the safety cabinet.

4. IMPROPER PIPETTE AND WASTE DISPOSAL

Pipettes should be decontaminated within the cabinet. Disinfect items in a shallow pan filled with disinfectant. Other biohazard waste should be similarly bagged in the cabinet to avoid spreading contamination.

- Remove disinfected waste from the cabinet frequently.

5. COVERED AIR INTAKE GRILLE

When untreated laboratory air is blocked from entering the front grille, it can flow over the work surface contaminating the product and posing a risk to personnel.

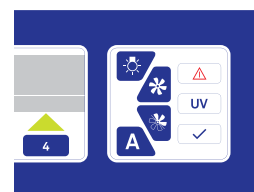
- Never block the front air intake grille.



6. SASH ALARM MUTED

An alarm sounds and flashes when the sash is opened too high or closed too low. The alarm can be silenced seven minutes at a time for loading large equipment and cleaning.

- Never work in the cabinet when the cabinet is in alarm.



7. UV LIGHT WHEN SASH IS OPEN

UV radiation is hazardous to your health. Newer cabinets have a safety circuit that allows the UV light to activate only if the sash is completely closed. Do not adjust this important setting.

- Make sure the sash is completely closed before using the UV light. The glass sash will protect you from UV radiation.

8. INLET SLITS

Never use the V shaped inlet slits (at the front of the working tray) as storage area. Although it is very convenient to 'store' your pen in these slits, you must realize that once you pick it up again, you have a contaminated item in your hands.

AIRFLOW SCHEMATIC FOR CLASS II TYPE A2 BIOSAFETY CABINETS

- Room air
- HEPA filtered air
- Contaminated air - negative pressure
- Contaminated air - positive pressure

