**CHEMICAL FUME HOODS**

**MOTION SENSOR**
Detects presence of user to determine standard/standby mode of fume hood & adjusts airflow velocity.

**SASH**
Keep sash height at or below arrow on certification sticker (green to yellow zone) to ensure proper velocity & physical barrier from splashes, flying objects, and fire. **SAVE ENERGY:** Close the sash when not using the fume hood.

**FUME HOOD CONTROL BOX**
**FACE AIR VELOCITY** (feet per minute, fpm)
Safe range: 100-150 fpm (80 fpm for high-efficiency hoods)

**CAUTION – FLOW ALARM**
Blinks/sounds when air flow is not within safe range and may compromise your protection, call the Office of Research Safety (ORS).

**EMERGENCY**
For emergency use (i.e. spill of a volatile chemical). Close sash & press EMERGENCY button to induce higher airflow velocity.

**ANNUAL CERTIFICATION STICKER**
A sticker will be placed on the side of the fume hood to indicate face velocity at the maximum safe height & certification date. If the velocity is outside of the safe range, a warning sign will be placed on hood to alert users it is not safe for use until repaired.

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**DO:**
- Verify the airflow velocity prior to working
  Check face velocity on airflow monitor, a Kimwipe taped to bottom of sash can show that airflow is pulling into the hood.
- Turn on the light inside the fume hood when working
- Work with the fume hood sash in the lowest possible position & no higher than the arrow on certification sticker
  Safe sash height is within green to yellow zone
- Keep chemicals and other supplies at least 6 inches (15 cm) behind the plane of the sash
  To ensure proper airflow and that contaminants are not entering your breathing zone.
- Close the sash when not in use or work is unattended
- Immediately report any fume hood issue to ORS

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**DON’T:**
- Store Hazardous waste in fume hood
- Put your head inside a fume hood
- Accumulate chemicals or supplies in the fume hood
- Dispose of chemicals by evaporating volatile liquid in the fume hood
- Store any large pieces of equipment in the fume hood unless the fume hood is decertified i.e. not for handling chemicals
- Disable the airflow alarm and ignore it
  Report malfunction to ORS or your Lab Safety Specialist.
- Mistake fume hoods for biosafety cabinets or clean benches
  Fume hoods may not provide protection required for infectious materials. Consult ORS if you want to use infectious materials in a fume hood.
- Attempt to modify any part of a fume hood without approval from ORS