



This button starts and stops the fan.

One press starts the fan and places the system in the Pre-Purge state.

If pressed when the fan is running the system will be switched to the Post-Purge state.



This button switches the light on and off.



Pressing this button enables the Gas & Power services.

Gas and Power are only available when the fan is running normally.



Pressing this button starts and stops any auxiliary device fitted.

An auxiliary device may be a fume scrubber, make-up air fan or other such appliance.



Pressing this button will silence the audible alarm.

An alarm state can be caused by loss of airflow in the fume cupboard, activation of the Emergency Stop switch, power failure to the fume cupboard, or failure of the control system.

If the alarm persists contact Viking Plastics. 03 9587 2297



Indicates that power is available and the system is ready for operation.



One (1) minute duration.



Twenty (20) minutes duration.

(Except in Secondary School applications where a five (5) minute Post-Purge may be sufficient).

The fan will continue to run for the Post-Purge period.



Indicates a loss of 240V power supply – either temporary or permanent.

The alarm will sound while 240V power is unavailable, and continue to sound for at least 20 minutes.



Indicates a failed exhaust operation or inadequate airflow.

If airflow fail persists contact Viking Plastics. 03 9587 2297

General

The entire fume extraction system, from fume cupboard to discharge stack should be inspected periodically. A program of maintenance should be instituted and records of maintenance and testing kept.

Decontamination

The laboratory safety officer or supervisor will ensure that maintenance personnel are made aware of the hazardous nature of reagents and equipment contained within the service area, and also are informed of any necessary decontamination procedures.

Maintenance and Testing Schedule

The following maintenance and testing schedule should be used as a guide for minimum requirements only. More frequent maintenance may be required where the fume cupboard is in continual use.

When inspection or maintenance is being carried out, provision should be made for the fume cupboard to be isolated from the power supply to prevent its operation. All chemicals should be removed from the fume cupboard to enable clear access.

Adequate access should be provided to the exhaust system including dampers, scrubbers, filters and fan.

Weekly

Any air cleaning device should be inspected and serviced in accordance with maintenance manuals, and trapped contaminants safely disposed.

Annual Maintenance & Testing

- > Perform a Smoke Test in accordance with AS/NZS 2243.8:2014, Appendix F.
- > Perform a Face Velocity Test in accordance with AS/NZS 2243.8:2014, Appendix E.
- > Remove any fume cupboard baffles and clean all surfaces.
- > Wash the entire interior surface of the fume chamber with dilute detergent solution and repair defects as necessary.
- > Check condition of the services to the fume cupboard and ensure that all are properly identified and operational.
- > Inspect the exhaust fan including motor, drives and bearings. Lubricate and adjust where appropriate.
- > Check stability and condition of the fan discharge stack.
- > Inspect condition of the exhaust ducting (where possible) and ensure that any drain points are clear.
- > Check that the scrubber, wash-down facility or air cleaning device (if fitted) is functioning efficiently.
- > Inspect fire dampers (if fitted) and replace the fusible link, if required.
- > Check condition of the thermal detector and sprinkler heads (if fitted).
- > Check the room make-up air balance.
- > Check condition and satisfactory operation of the fume cupboard control system.
- > Check operation of the emergency isolator including proper isolation of services.
- > Check operation of the automatic isolator by simulating inadequate airflow condition to the fume cupboard.
- > Test the control system for overall compliance with AS/NZS 2243.8:2014.
- > Attach a self-adhesive label to the fume cupboard showing the inspection date, name of inspector, report number, overall test result (pass or fail) and the date the next inspection is due.