NSF/ANSI 49-2007
Class II (laminar flow) biosafety cabinetry

5.23.2 Internal cabinet supply/exhaust fan interlock alarm

When a cabinet contains both an internal downflow and exhaust fan, they shall be interlocked so that the downflow fan shuts off whenever the exhaust fan fails. An audible and visual alarm shall signal the failure. If the downflow fan fails, the exhaust fan shall continue to operate, and an audible and visual alarm shall signal the failure.

5.23.3 Type B exhaust alarm

Type B cabinets shall be exhausted by a remote fan. Once the cabinet is set or certified in its acceptable airflow range, audible and visual alarms shall be required to indicate a 20% loss of exhaust volume within 15 sec. The internal cabinet fan(s) shall be interlocked to shut off at the same time the alarms are activated.

F.7.3.2 Interlocks

Supply fan interlock on type B2 cabinets:

a) Should be tested at time of alarm verification.

b) Reduce exhaust volume 20% once the cabinet is set or certified in its acceptable airflow range, and verify that audible and visual alarms indicate a 20% loss of exhaust volume within 15 sec. The internal cabinet fan(s) shall be interlocked to shut off at the same time the alarms are activated.