

NOTES:

1. Provide an air inlet with automatic damper closure; damper must be interlocked with fan circuit to open only when fan is turned on. Size opening for a minimum velocity of 500 fpm. Air inlet must be located so purge air sweeps entire booth.
2. Loading door must be opened only when booth has been completely purged. Provide gaskets, screw clamps, and brackets for applying uniform pressure for a gas-tight fit.
3. Provide ventilated cabinet for gas cylinders in use and being stored. Fan must be on continuously and exhaust approximately 500 cfm to produce a negative pressure in the cabinet when the doors are closed.
4. Provide nozzle openings for introducing fumigant gas. A circulating cabinet fan should also be provided for obtaining good mixture of fumigant gas.
5. Mechanical fan damper must be provided that closes tightly when fan is shut off during fumigation and opens when fan is turned on. Damper controls should be interlocked with fan controls.
6. Fan for ventilating fumigation booth must be sized to dilute air to safe limit in required time. Use vertical, outside, discharge stack away from windows, doors, and air intakes.
7. Fumigant gas cylinder cabinet fan must run continuously.
8. Control switches for fan and lights and an air flow switch-actuated pilot light are recommended.
9. Red warning light to indicate booth is under fumigation as a protection against careless entry is recommended.
10. To facilitate penetration of fumigant gas and subsequent airing out, items should be loaded with separators to allow free air space around each item.
11. Fumigants with no odor-warning properties should be used together with an odor-indicating chemical.
12. Where toxic fumigants are used, a leak test should be made on the booth. The booth first should be tested by lighting several large smoke candles in it with doors and dampers closed. Leaks can be noted by the presence of smoke at the point of escape. Where highly diffusible toxic gases are used, an additional test should be made with the booth under charge, at doors and dampers, with a sensitive detecting meter or sampling device.



TITLE

FUMIGATION BOOTH NOTES

FIGURE

VS-25-02

DATE

1-91