

OZONE LAYER PROTECTION BOARD VICTORIA (Fire Protection)

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Criteria for Halon Transfer Equipment

OBJECTIVE

The objective of this document is to provide criteria for the assessment of equipment used in the transfer of Halon from a bulk supply and/or involving the initial filling of extinguisher system cylinders.

GENERAL

1. To avoid contamination, operations involving the transfer of Halon from a bulk supply and/or involving the initial filling of extinguisher system cylinders shall be completely separate from recovery/recycling operations.
2. The Transfer System shall withstand, without leakage or permanent deformation, a test pressure of not less than twice the anticipated normal working pressure. Pipe runs shall be as short as possible. Hose, having a pressure rating at least twice the anticipated working pressure, may be used to make any necessary flexible connections. The filling hose shall be valved at the outlet end.
3. The system shall be leak free and a Halon detector shall be used in conjunction with the system to ensure this.
4. An emergency shut off procedure shall be provided.
5. Safety and isolation equipment shall be provided to prevent loss of product to atmosphere in the case of a malfunction.
6. The system shall ensure that the maximum fill of each container does not exceed the limits specified in AS2030.1.
7. Personnel who use the equipment shall have appropriate and current OLPBV registration and be fully trained in its operation, including emergency shut off procedures.
8. Personnel who test and/or maintain the equipment shall have appropriate and current OLPBV registration and a full knowledge of the equipment.

EQUIPMENT CONSIDERATIONS

9. All containers used in recovery and storage process shall comply with AS2030.1 requirements. This is applicable to both temporary storage containers used during transfer of product and bulk long term storage containers.
10. All hardware within the equipment shall be compatible to the pressure and temperature requirements of the material to be recovered. This includes, but is not restricted to, filters and valves.
11. If the equipment uses a pump, the pump shall be able to handle both liquid and vapour.

MAINTENANCE CONSIDERATIONS

12. The equipment shall ensure ease of maintenance.
13. The equipment/system will be tested periodically (after every 100 hours of operation) to ensure no system fault.