

OZONE LAYER PROTECTION BOARD VICTORIA (Fire Protection)

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Criteria for Halon Recovery/Recycling Equipment

OBJECTIVE

The objective of this document is to provide criteria for the assessment of equipment used in the recovery, recycling and storage of Halon minimises emissions of Halon and loss of product to atmosphere.

GENERAL

1. Any equipment which is used to recover Halon, whether for recycling or storage shall have the capability of a minimum rate of 95% recovery from the container
2. If product is being recovered for recycling/re-use purposes, then:
 - (a) Recovered 1211 shall conform with the purity requirements of AS4077.1; and
 - (b) Recovered 1301 shall conform to the purity requirements of the original manufacturers specification.
3. Verification that the equipment is capable of recovering to the minimum 95% level shall be certified by an approved agency. (This certification is at type test level.)
4. The equipment shall be leak free and a Halon detector shall be used in conjunction with operation of the equipment to ensure this.
5. An emergency shut off procedure shall be provided.
6. Safety and isolation equipment shall be provided to prevent loss of product to atmosphere in the case of a malfunction.
7. The equipment shall ensure that the maximum fill of each container does not exceed the limited specified in AS2030.1.
8. Personnel who use the equipment shall have appropriate and current OLPBV registration and be fully trained in its operation, including emergency shut off procedures.
9. Personnel who test and/or maintain the equipment shall have appropriate and current OLPBV registration and a full knowledge of the equipment.
10. 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.
11. 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.
12. If the equipment uses a pump, the pump shall be able to handle both liquid and vapour.
13. The equipment shall ensure ease of maintenance.
14. The equipment shall be tested periodically (after every 100 hours of operation) to ensure no equipment fault.