5.9. Clean Agent Systems - acceptance test and maintenance

5.9.1. Clean Agent Systems shall be inspected and maintained as per the minimum guidelines in accordance with Table 9.36. However, detailed acceptance, inspection tests and maintenance shall be as per NFPA 2001, and Manufacturer's guidelines.

Table 9.36.: Clean Agent Systems Testing, Inspection and Maintenance	
ITEM	REQUIREMENTS
1. ACCEPTANCE TEST/INSPECTIONS	 i. The completed system shall be reviewed and tested by qualified personnel to meet the approval of Civil Defence. Only listed equipment and devices shall be used in the systems. To determine that the system has been properly installed and will function as specified, following inspection tests shall be performed. ii. The piping distribution system shall be inspected to determine that it is in compliance with the design and installation documents. iii. Nozzles and pipe size shall be in accordance with system drawings. Means of pipe size reduction and attitudes of tees shall be checked for their conformance to the design. iv. Piping joints, discharge nozzles, and piping supports shall be securely fastened to prevent unacceptable vertical or lateral movement during discharge. Discharge nozzles shall be installed in such a manner that piping cannot become detached during discharge. v. During assembly, the piping distribution system shall be inspected internally to detect the possibility of any oil or particulate matter soiling the hazard area or affecting the agent distribution due to a reduction in the effective nozzle orifice area. vi. The discharge nozzle shall be oriented in such a manner that an optimum agent dispersal can be effected. viii. In ozzle deflectors are installed, they shall be positioned to obtain the maximum benefit. viii. The discharge nozzles, piping, and mounting brackets shall be installed in such a manner that they will not potentially cause injury to personnel. Agent shall not directly impinge on areas where personnel could be found in the normal work area. The agent shall not directly impinge on any loose objects or shelves, cabinet tops, or similar surfaces where loose objects could be present and become missiles. ix. All agent storage containers shall be properly located in accordance with an approved set of system drawings. x. All lotal flooding systems shall have the enclosure examined and tested

