



NATIONAL PETROCHEMICAL COMPANY STANDARDS

MATERIAL STANDARD FOR HALON

NPCS—MS—GC—07

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1 SCOPE

This standard describes the minimum requirements for system design, supply of materials, installation, construction, testing and commissioning of halon-1301 total flooding fire protection system in buildings.

1.1 The work shall include followings but not limited to the followings:

1.1.1 Electrically actuated automatic halon-1301 total flooding fire suppression system complete with all necessary, halon cylinders, support frames, manifolds cylinder valves, release mechanisms, directional valves, selector valves, non return valves, bleed valves, distribution pipe works, discharge nozzles and accessories for complete installation of system.

1.1.2 The system shall be operated automatic as well as manually also. Manually activation points shall be located near entrance doors and internal of protected areas.

1.1.3 This also includes fire or other detection systems, audio and visual alarm indicator systems, activation indicator for each protected area, state of system indicators, system components, monitoring control panels, etc.

1.1.4 Stand-by battery and charger for main power failure.

1.1.5 100% reserve supply of halon manifolded to allow a second flooding without moving cylinders or changing pipe work connection.

1.1.6 Checking and commissioning of the complete overall installation and certification of compliance with all statutory safety.

STANDARDS AND CODES

- NFPA National Fire Protection Association Standard.
- NO 12A Halon-1301 Fire Extinguishing systems.
- NO 70 National Electrical Code.

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