

### CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

Inspection, testing, and maintenance of clean agent fire extinguishing systems shall be performed in accordance with the system manufacturer's instructions and NFPA 2001 (latest edition). The following list highlights minimum requirements for the essential care of gaseous suppression systems, however, this list is not meant to replace manufacturer's instructions and updated code requirements. This data is based on the 2009 edition of NFPA 12A and the 2012 edition of NFPA 2001.

#### NFPA 2001: Summary of Clean Agent Fire Extinguishing System Inspection, Testing, and Maintenance

ITEM	FREQUENCY	NFPA 12A REFERENCE
<u>Inspection</u>		
Record pressure of container	Semiannually	7.1.3
Check agent quantity	Semiannually	7.1.3
Container & bracket	Semiannually	12A: A.6.1
Examine piping and nozzles	Semiannually	12A: A.6.1
Hose	Annually	7.3.1
Room enclosure – enclosure penetrations are protected	Semiannually	7.4
<u>Testing</u>		
Fire detection – test devices	Semiannually	12A: A.6.1
Actuation – simulate agent release	Semiannually	12A: A.6.1
Auxiliary equipment – operate all components such as switches, door releases, HVAC shutdown, power disconnect, and alarms	Semiannually	12A: A.6.1
Container – test on refill	5 years	7.2.2
Hose	5 years	7.3.2

Coordinate the testing of the following clean agent system equipment with the fire alarm system maintenance (see Appendix 10 of this Chapter).

Control equipment

Secondary power supply (and UPS if necessary)

Batteries

Transient suppressors

Remote annunciators

Initiation devices

Alarm notification appliances

Special hazard equipment (Abort switches, Cross zone (matrix) detection circuits, Release solenoid circuit)

Transmission and receiving equipment - off premises

Interface equipment (HVAC shutdown)

Alarm verification (special procedures)