

Code Requirements for Functional Testing

// Monthly	
Automatic Fire Alarm ULC 5536	Daily and Monthly Status Check Supervisory field devices, Supervisory circuits and DCL, in-and-out conductors of supervised circuits, ancillary device control circuit, one initiating field device, operation of common audible and visual trouble signals, one emergency phone, voice paging capability to one zone. Battery terminals are clean and lubricated, terminal clamps are secure, electrolyte level and specific gravity.
Portable Fire Extinguishers NFPA 10	Ensure in proper operating condition. Safety seals, tags, pressure gauge readings, HMIS Label
Emergency Lights NFPA 101	30 seconds quick check and battery check
Fire Pump NFPA 25	Weekly system procedures. Electric 10 min. Diesel 30 min
// Quarterly	
Sprinklers NFPA 25	Mechanical Water Flow Devices Tank High and Low Alarms that do not Report to a Fire Panel that is Monitored 24 Hours a Day Valves, Valve Components Hose valves/PRVs Main Drain (with Backflow Device) Low Air Pressure Alarms Quick Opening Devices Priming Water Master PRV Main Drain
// Semi-Annually	
Hood Suppression NFPA 17A	All Kitchen Suppression Systems Valve Supervisory Devices
Sprinklers NFPA 25	High/Low Tank Alarms
Automatic Fire Alarm NFPA 72	Batteries - Fire Alarm Systems Sealed Lead-Acid - Load Voltage Test
// Annually	
Portable Fire Extinguishers NFPA 10	Conductivity test of all carbon dioxide hose assemblies. Ensure in proper operating condition. Safety seals, tags, pressure gauge reading, HMIS table. Empty and recharge all stored pressure loaded stream fire extinguishers.
Automatic Fire Alarm NFPA 72, ULC 5536	Control Equipment: Building Systems Connected to Supervising Station Functions, Fuses, Interface Equipment, Lamps & LEDs, Primary (main) Power Supply, Transponders Batteries - Fire Alarm Systems Control Unit Trouble Signs Emergency Voice/Alarm Communications Equipment Remote Annunciators Initiating Devices Duct Smoke Detectors Electromechanical Releasing Devices Fire Extinguishing System(s) or Suppression System(s) Switches Fire Alarm Boxes (Pull Stations) Fire Phones Heat Detectors All Smoke Detectors - Functional Fire - Gas and other detectors Interface Equipment Special Hazard Equipment Alarm Notification Devices Audible Devices Audible Textual Notification Appliances Visible Devices Supervising Station Fire Alarm System - Transmitters DACT, DART Special Procedures
Sprinklers NFPA 25	Main Drain Antifreeze Solution Valves, Valve Components Pressure Reducing Valves/Relief Valves (part flow) Master Pressure Reducing Valves (full flow) Control Valves Dry System, Partial Trip Test Deluge, Preaction Full Trip Test Air Maintenance Device Backflow Prevention Assemblies Full Forward Flow Test Private Fire Hydrant

// Annually (continued)	
Sprinklers NFPA 25	Standpipe Main Drain Test Hose Valves Valves (all types) Private Fire Service Mains Monitor Nozzles Hydrants Fire Pump System Full Flow Alarm Signals Annual Maintenance

// 2 Year Interval	
Sprinklers NFPA 25	Smoke Detector Sensitivity Testing

// 3 Year Interval	
Sprinklers NFPA 25	Dry System Full Flow Trip Test Dry System Air Leakage Water Tanks without Corrosion Protection

// 5 Year Interval	
Portable Fire Extinguishers NFPA 10	Hydrostatic testing of Carbon Dioxide, wet chemical and foam Fire Extinguishers Hydrostatic testing of cartridges associated with portable fire extinguishers and wheeled units Hydrostatic testing of carbon dioxide hoses equipped with a shut-off valve
Sprinklers NFPA 25	Gauges (Test or Replace) Sprinklers - Extra-high Temperature/Corrosive Atmosphere Internal Pipe Obstruction Inspection Fire Department Connections Hydrostatic Test Siamese Connections, (city of Pittsburgh every 3 years) Standpipe - Full Flow Test Remote Point Hose Connection Pressure Reducing Valves (full flow) Hydrostatic Test Manual/Dry Standpipes 5 year test for new fire hoses and every 3 years thereafter Valves, Valve Components Pressure Reducing Valves/Relief Valves (full flow) Private Fire Service Mains Full Flow Test Internal Tank Test Internal Backflow & Re-test

// 6 Year Test	
Portable Fire Extinguishers NFPA 25	Stored-pressure extinguishers requiring 12 year hydrostatic test shall be emptied and subjected to applicable maintenance procedures.

// 12 Year Interval	
Portable Fire Extinguishers NFPA 10	Hydrotest of dry chemical and clean agent extinguishers Hydrotest of dry chemical hose equipped with a shut-off valve
Hood Suppression NFPA 17A	Hydrostatic Testing Cylinder Replacement of cartridge Regulator Test Wet Chemical Containers Auxiliary Pressure Containers Hose Assemblies

// 10 Year Interval and Greater		
Sprinklers NFPA 25	Dry Type	At 10 years and every 10 years thereafter
	Quick Response	At 20 years and every 10 years thereafter
	Standard	At 50 years and every 10 years thereafter

NFPA 72: 2013 edition, NFPA 25: 2014 edition, NFPA 10: 2013 edition, NFPA 96: 2014 edition, NFPA 17: 2013 edition, NFPA 17A: 2013 edition, ULCS536: 2004 edition



Corporate Sales and Marketing

50 Technology Drive • Westminister, MA 01441-0001 • www.tycosimplexgrinnell.com • Tel: (978) 731-2500 • Toll Free: 1-800-746-7539

▶ See other side for Visual Inspections Requirements