

NFPA® 25 – 2014 Edition

Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

Table 5.1.1.2¹
Summary of Sprinkler System Inspection, Testing, and Maintenance

Item	Frequency	Reference
Inspection		
Gauges (dry, preaction, and deluge systems)	Weekly/Monthly	5.2.4.2, 5.2.4.3, 5.2.4.4
Control Valves		Table 13.1.1.2
Waterflow alarm devices	Quarterly	5.2.5
Valve supervisory signal devices	Quarterly	5.2.5
Supervisory signal devices (except valve supervisory switches)	Quarterly	5.2.5
Gauges (wet pipe systems)	Monthly	5.2.4.1
Hydraulic nameplate	Quarterly	5.2.6
Buildings	Annually (prior to freezing weather)	4.1.1.1
Hanger/seismic bracing	Annually	5.2.3
Pipe and fittings	Annually	5.2.2
Sprinklers	Annually	5.2.1
Spare sprinklers	Annually	5.2.1.4
Information sign	Annually	5.2.8
Fire Department Connections		Table 13.1.1.2
Valves (all types)		Table 13.1.1.2
Obstruction, internal inspection of piping	5 years	14.2
Heat trace	Per manufacturer's requirements	5.2.7

Item	Frequency	Reference
Testing		
Waterflow alarm devices – Mechanical devices	Quarterly	5.3.3.1
Waterflow alarm devices – Vane and pressure switch type devices	Semiannually	5.3.3.2
Valves supervisory alarm devices		Table 13.1.1.2
Supervisory signal devices (except valve supervisory switches)		Table 13.1.1.2
Main drain		Table 13.1.1.2
Antifreeze solution	Annually	5.3.4
Gauges	5 years	5.3.2
Sprinklers – extra-high temperature	5 years	5.3.1.1.1.4
Sprinklers — fast-response	At 20 years; every 10 years thereafter	5.3.1.1.1.3
Sprinklers	At 50 years; every 10 years thereafter	5.3.1.1.1
Sprinklers	At 75 years; every 5 years thereafter	5.3.1.1.1.5
Sprinklers — dry	At 10 years; every 10 years thereafter	5.3.1.1.1.6
Valves (all types)	5 Years	Table 13.1.1.2
Valve status test		Table 13.3.1.2.1
Maintenance		
Valves (all types)		Table 13.1.1.2
Low-point drains (dry pipe system)		13.4.4.3.2
Sprinklers & automatic spray nozzles protecting commercial cooking equipment and ventilation systems	Annually	5.4.1.9
Investigation		
Obstruction		14.3

¹NFPA® 25 – 2014 Edition standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

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Table 13.1.1.2

Summary of Valves, Valve Components, and Trim Inspection, Testing, and Maintenance

Item	Frequency	Reference
Inspection		
Control Valves		
Sealed	Weekly	13.3.2.1
Locked or electrically supervised	Monthly	13.3.2.1.1
Valve Supervisory Signal Initiating Device	Quarterly	13.3.2.1.2
Alarm Valves		
Exterior	Monthly	13.4.1.1
Interior	5 years	13.4.1.2
Strainers, filters, orifices	5 years	13.4.1.2
Check Valves		
Interior	5 years	13.4.2.1
Preaction/Deluge Valves		
Enclosure (during cold weather)	Daily/Weekly	13.4.3.1
Exterior	Monthly	13.4.3.1.6
Interior	Annually/5 years	13.4.3.1.7
Strainers, filters, orifices	5 years	13.4.3.1.8
Dry Pipe Valves/Quick-Opening Devices		
Gauges	Weekly/Monthly	13.4.4.1.2.4 13.4.4.1.2.5
Enclosure (during cold weather)	Daily/Weekly	13.4.4.1.1
Exterior	Monthly	13.4.4.1.4
Interior	Annually	13.4.4.1.5
Strainers, filters, orifices	5 years	13.4.4.1.6
Pressure Reducing and Relief Valves		
Sprinkler systems	Quarterly	13.5.1.1
Hose connections	Annually	13.5.2.1
Hose racks	Annually	13.5.3.1
Fire Pumps		
Casing relief valves	Weekly	13.5.7.1, 13.5.7.1.1
Pressure relief valves	Weekly	13.5.7.2, 13.5.7.2.1
Backflow Prevention Assemblies		
Reduced pressure	Weekly/Monthly	13.6.1
Reduced pressure detectors	Weekly/Monthly	13.6.1
Fire Department Connections	Quarterly	13.7.1

Item	Frequency	Reference
Testing		
Main Drains	Annually/Quarterly	13.2.5, 13.2.5.1 13.3.3.4
Gauges	5 years	13.2.7.2
Waterflow Alarms	Quarterly/Semiannually	13.2.6
Control Valves		
Position	Annually	13.3.3.1
Operation	Annually	13.3.3.1
Supervisory	Semiannually	13.3.3.5
Preaction/Deluge Valves		
Priming water	Quarterly	13.4.3.2.1
Low air pressure alarms	Quarterly/Annually	13.4.3.2.13 13.4.3.2.14
Full flow	Annually	13.4.3.2.2
Air leakage	3 Years	13.4.3.2.6
Dry Pipe Valves/Quick-Opening Devices		
Air leakage	3 Years	13.4.4.2.9
Priming water	Quarterly	13.4.4.2.1
Low air pressure alarm	Quarterly	13.4.4.2.6
Quick-opening devices	Quarterly	13.4.4.2.4
Trip test	Annually	13.4.4.2.2
Full flow trip test	3 years	13.4.4.2.2.2
Pressure Reducing and Relief Valves		
Sprinkler systems	5 years	13.5.1.2
Circulation relief	Annually	13.5.7.1.2
Pressure relief valves	Annually	13.5.7.2.2
Hose connections	5 years	13.5.2.2
Hose racks	5 years	13.5.3.2
Backflow Prevention Assemblies	Annually	13.6.2
Maintenance		
Control Valves	Annually	13.3.4
Preaction/Deluge Valves	Annually	13.4.3.3.2
Dry Pipe Valves/Quick-Opening Devices	Annually	13.4.4.3