

Deluge valve quarterly maintenance checklist

A quarterly deluge valve round is short on purpose: it catches the wear items that fail between annual services. This checklist is sized for a tech with a phone. Every item says what to look at and the photo that proves the round happened. Work is commonly verified against NFPA 13, NFPA 25. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The building engineer or sprinkler service tech reading the gauges, the release trim and the protected nozzles on the quarterly round, recording conditions rather than releasing the valve. When: Every quarter, and closely wherever the hazard it protects is in service, since a deluge valve dumps water to every open nozzle at once the moment it releases.

Pressures and priming

- ☐ **Water-supply and priming pressures read**
Supply water pressure and the priming or diaphragm pressure holding the valve closed both read at the gauges, readings noted, neither gauge stuck or pinned. 2 photos required
- ☐ **Priming and trim valves in their normal positions**
Priming line and trim valves set to their marked normal positions, no weeping at the trim, nothing left isolated after prior service. 1 photo required

Release path and nozzles

- ☐ **Detection and manual release station observed**
Detection covering the hazard intact and reporting, release solenoid or pneumatic actuator in its normal state, manual release station in place, unobstructed and not left disabled. 2 photos required
- ☐ **Open discharge nozzles clear and aimed**
Open sprinklers or spray nozzles clear of paint, debris and corrosion, each present and aimed at the hazard it was set for, none plugged or missing. 1 photo required

Valve and supervision

- ☐ **Valve position and supervision checked**
Main control valve open and supervised, tamper confirmed reporting to the panel, the operating and reset instruction plate legible at the valve. 1 photo required