



Sprinkler Pump Maintenance Checklist

12 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect pump gland packing or mechanical seal for leaks
- ☐ Verify all valve positions match the required open/closed status
- ☐ Check diesel engine start battery and fuel level (diesel pumps)
- ☐ Inspect suction tank water level and condition
- ☐ Verify the pump room is maintained at minimum required temperature

Functional Checks

- ☐ Perform a weekly pump start test (automatic and manual)
- ☐ Verify pump achieves required discharge pressure at rated flow
- ☐ Check jockey pump operation and system static pressure
- ☐ Test pump automatic start from pressure drop (flow test quarterly)
- ☐ Check suction and discharge pressures during operation

Safety Checks

- ☐ Test fire alarm panel interface and pump fault alarms

Record Keeping

- ☐ Record all test results in the sprinkler pump log book

Maintenance Frequency

Weekly

- Pump run test (automatic and manual)
- Check pressures and valve positions
- Inspect for leaks

Quarterly

- Flow test to verify pressure at rated capacity
- Full alarm and interlock test

Annually

- Full pump overhaul
- Motor or engine service
- Valve servicing
- Fire alarm interface test
- Suction tank inspection