



Gas Fire Suppression System Maintenance Checklist

10 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

- ☐ Confirm warning signs, beacons, and sounders are present and operable
- ☐ Inspect cylinders, hoses, manifolds, and pipework for damage or corrosion
- ☐ Check pressure relief venting and over-pressure provisions for the room
- ☐ Confirm the room remains sealed — no new penetrations affecting integrity

Functional Checks

- ☐ Check agent cylinder weights/levels and pressure gauges against commissioning values
- ☐ Confirm the detection system (typically coincidence/double-knock) is healthy
- ☐ Test manual release and abort controls and confirm correct operation
- ☐ Verify discharge interlocks isolate HVAC and dampers on activation

Record Keeping

- ☐ Arrange periodic room integrity (door-fan) testing as scheduled
- ☐ Record cylinder data, test results, and defects in the suppression log

Maintenance Frequency

Quarterly

- Visual check of cylinders, gauges and signage
- Confirm detection panel healthy
- Check interlocks

Every 6 Months

- Service to BS EN 15004
- Test detection, abort and release
- Verify HVAC shutdown interlocks

Annually

- Full service and cylinder weigh/inspection
- Room integrity (door-fan) test
- Hydrostatic test where due
- Issue certificate