

# AUDIT

## 90: Residential & Domestic Fire Sprinkler Systems

### Checklist

## Performance and Compliance Check Level 1 and Level 2 Faults

### LEVEL 1

- Are the materials used fit for their intended purpose and where required appropriately authorised?
- Are the cross-connection control and backflow protection provisions in accordance with the standards?
- Have the design specifications been checked and met?
- Are the required minimum flow rates met?
- Have the correct pipe sizes been used?
- Have the water flow devices been tested?
- Has any alarm system, where fitted, been tested?
- Where required have all the commissioning checks of the pumps been activated?
- Have the water levels in tanks been established?
- Have all the approved identification markings been installed?
- Has the installation been commissioned by an approved practitioner?
- Is the installing practitioner accredited in the class of plumbing?
- Has the system been pressure tested?
- Has a site plan been provided at each alarm activation device?

### LEVEL 2

- Does the installation have the correct pipework support?
- Does the installation have the correct depth of cover?
- Where required, does the installation have frost protection?
- Where required, has a modification application been submitted and approved?
- Have the manufacturer's installation instructions been adhered to?
- Has the class of plumbing been indicated on the compliance certificate?
- Where relevant, has documentation for a performance solution been provided?



## REFERENCES

Does the installation comply with the minimum industry standards:

- AS 2118.4: Automatic fire sprinkler systems - Sprinkler protection for accommodation buildings not exceeding four storeys in height
- AS 2118.1: Automatic fire sprinkler systems – General Systems
- AS/NZS 3500.1: Plumbing and drainage Part 1: Water services
- AS/NZS 3500.5: Plumbing and drainage / Housing installations - Section 2
- The requirements of Parts B4 of the Plumbing Code of Australia (PCA)
- *The Plumbing Regulations 2018*
- The relevant manufacturer's installation instructions

## NOTES

The standards and audit items listed on this checklist are intended as a guide only and are not an exhaustive list.

Other standards may be applicable to the installation and should be referenced as required, additionally Audit items may alter dependent on actual work conducted and final installation.

Practitioners are advised to check that they are using the most current edition of the prescribed standards at the time of installation.