

# Career Profile: Fire Sprinkler System Installer



Fire Sprinkler Systems Fitters are also known as Fire Protection Technicians or Sprinkler Fitters. They install and repair fire protection sprinkler systems, usually in industrial and commercial buildings such as factories, hospitals, office buildings, hotels, apartment buildings or airports. They must understand the variety of water, foam, carbon dioxide and dry chemical sprinkler and fire protection systems developed by different manufacturers, and interpret protection system designs for on-site installation, operation and maintenance.

## Qualification

Certificate III in Fire Protection

## Sector

Residential / Commercial

## What might a working day look like?

### May perform tasks including:

Every day is different and varies depending on the job, but you may be required to:

- ▶ Fabricating, installing, testing, maintaining, inspecting and repairing sprinkler systems in industrial operations, department stores, office buildings, hotels, schools, hospitals and residences
- ▶ Installing wet and dry pipe sprinkler systems, carbon dioxide, chemical and foam extinguishing
- ▶ Arrange piping to provide fire protection and select the type and size of pipe required
- ▶ Install clamps, brackets and hangers to support the piping system and sprinkler and fire protection equipment
- ▶ Join and connect pipes or piping sections to related piping systems, tanks, mains, pumps, compressors and control equipment using various pipe joining methods
- ▶ Inspect, test, maintain and repair piping, fixtures and controls including hydrant, pump or sprinkler head connections

## Working Hours

- ▶ Full-time hours per week

## Conditions

- ▶ Indoor and outdoor work

## Skills and personal qualities

- ▶ Be able to understand technical drawings and plans
- ▶ Have a careful, methodical and accurate approach to work
- ▶ Problem solving skills, enjoy practical work and can work at heights
- ▶ Work as a team or independently
- ▶ Time management, reading and writing skills

## How to get started

Entry to this occupation is by completing a Certificate III Fire Protection apprenticeship.

## Future Pathways and opportunities

- ▶ Business owner
- ▶ Sub-contractor
- ▶ Supervisor



## Next Steps

Further information can be found at:

- ▶ Jobs and Skills WA – [www.jobsandskills.wa.gov.au](http://www.jobsandskills.wa.gov.au)
- ▶ Australian Apprenticeship Pathways – [www.aapathways.com.au](http://www.aapathways.com.au)

- ▶ Australian Apprenticeship Support Network Providers – [www.australianapprenticeships.gov.au](http://www.australianapprenticeships.gov.au)
- ▶ The Good Universities Guide – [www.gooduniversitiesguide.com.au](http://www.gooduniversitiesguide.com.au)