

# Gasfitter interview questions

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## What to expect

Interviews for gasfitter roles focus on technical competence, safety awareness and your ability to work independently. Employers need to know you can install, test and repair gas systems to Australian Standards and that you take compliance seriously.

- **Technical knowledge:** Questions about AS/NZS 5601, gas appliance types, leak testing procedures and pipework fabrication.
- **Safety and compliance:** How you manage hazards, interpret regulations and complete compliance certificates accurately.
- **Process and troubleshooting:** Walk-throughs of installation, commissioning and fault-finding on gas lines and appliances.
- **Behavioural:** Teamwork, problem solving and how you handle pressure or unexpected site issues.
- **Scenario:** What you would do in an emergency gas leak or when a job does not go to plan.

Typically a phone screen with a recruiter, then a technical interview with a supervisor or licensed gasfitter. Some employers include a practical assessment or a site walk-through. You may also meet a safety officer or operations manager.

## 1. Can you walk me through your process for installing a new gas appliance, from reading the plans to commissioning it?

### Why they ask

This tests your ability to follow standards and work methodically, which is critical for compliance.

### How to structure your answer

Use a step-by-step walk-through: start with planning and isolation, then pipework, then testing and commissioning, and finish with compliance documentation.

### Example answer

*"When I install a new gas appliance, I begin by reviewing the plans and confirming the appliance location and gas type with the client. I isolate the gas supply, then measure and cut pipework, threading and flaring as needed. I pressure-test the new line with a manometer and electronic detector, checking every joint. Once it passes, I connect the appliance, purge the line, and test the appliance for correct operation. Finally, I complete the compliance certificate and explain the safety checks to the client."*

## 2. Tell me about a time you detected a gas leak in a tricky location. How did you handle it?

### Why they ask

Leak detection is a core skill and employers want to see your diagnostic approach and safety focus.

### How to structure your answer

Use STAR: situation, task, action, result. Emphasise the steps you took to isolate and test, and how you communicated with the customer.

### Example answer

*"At a restaurant, a faint gas smell was reported in the kitchen. I isolated the supply and used an electronic detector to trace the line. The leak was behind a tiled wall, so I used a manometer to confirm pressure loss. I removed a small section of tiles to access a cracked elbow, replaced it, and pressure-tested the whole line. I then completed a compliance certificate and advised the owner on ventilation improvements. The repair was done without closing the kitchen for the dinner service."*

### **3. What would you do if you arrived at a job and found a gas leak that was clearly dangerous?**

#### **Why they ask**

Assesses your judgement under pressure and your knowledge of emergency procedures.

#### **How to structure your answer**

Use a judgement-under-pressure structure: first priority is safety, then isolate, then communicate, then follow regulations.

#### **Example answer**

*"My first step would be to ensure everyone is safe. I would evacuate the immediate area, avoid any ignition sources, and shut off the gas supply at the meter if safe to do so. I would then call the gas emergency line and the property owner, and not start any work until the area is declared safe. I would document everything and only proceed once authorised."*

### **4. How do you stay updated on changes to AS/NZS 5601 and state gas regulations?**

#### **Why they ask**

Compliance is non-negotiable in gasfitting; employers want to see you keep current.

#### **How to structure your answer**

A straightforward answer with specific sources: industry bodies, regulator updates, training.

#### **Example answer**

*"I subscribe to updates from Energy Safe and my state plumbing regulator. I also attend industry workshops and read the technical notes from the Australian Gas Association. Whenever a new version of AS/NZS 5601 is released, I review the changes and discuss them with my team to make sure we are all compliant."*

### **5. Describe a time you had to explain a complex gas safety issue to a customer who was not technical.**

#### **Why they ask**

Gasfitters often work directly with homeowners and business owners; clear communication prevents misunderstandings.

#### **How to structure your answer**

Use STAR, focusing on how you simplified the information and checked for understanding.

#### **Example answer**

*"A homeowner was worried about a gas heater that kept shutting off. I explained that the issue was a blocked flue, which was causing the safety switch to trip. I used a simple analogy of a chimney needing to breathe, and showed them the blockage on my phone. They appreciated the clear explanation and agreed to the repair. I followed up with a written summary of the work and safety checks."*

### **6. What tools and equipment do you use for pressure testing and leak detection, and how do you ensure they are calibrated?**

#### **Why they ask**

Tests your hands-on knowledge and attention to detail with measuring instruments.

#### **How to structure your answer**

List the tools, then explain your calibration routine.

#### **Example answer**

*"I use a manometer for pressure testing and an electronic gas leak detector for pinpointing leaks. I check the calibration of my electronic detector before each use with a known gas source, and I record the date of last calibration. My manometer is serviced annually and I verify its zero reading before each test. If a tool is out of calibration, I tag it out and arrange for replacement."*