

What is Type B Gasfitting work?

A guide to read before you apply for registration

Do you have the **skills, knowledge** and **experience** to apply for registration as a plumbing practitioner in the **specialised** class of Type B Gasfitting work? To help you, this guide explains some of the typical tasks of Type B Gasfitting work. If you are asked to an assessment interview, some of your interview questions will be based on this information.

Get to know the regulation

Under Part 6 of the Plumbing Regulations 2008, Type B Gasfitting work is:

- (1) *the construction, installation, servicing and maintenance of a Type B appliance between the gas isolating valve adjacent to the appliance and any flue connection and includes –*
 - (a) *repair and replacement of gas components; and*
 - (b) *the commissioning of gas components; and*
 - (c) *the commissioning of the gas burner system.*
- (2) *Type B appliance means any of the following single appliances of input greater than 10/MJ/h and less than 5000 MJ/h that forms part of an integrated industrial process –*
 - (a) *a water heater;*
 - (b) *a space heater;*
 - (c) *a vat or tank heater;*
 - (d) *a dryer or oven not associated with volatile solvents or hazardous atmospheres;*
 - (e) *a batch kiln with flame supervision and safeguards; and*
 - (f) *any catering equipment.*
- (3) *Type B gasfitting work also includes the construction, installation, servicing and maintenance of a steam boiler or thermal fluid heater of input less than 10,000 MJ/h that forms part of an integrated industrial process between the gas isolating valve adjacent to the appliance and any flue connection including the repair and maintenance of gas components in that appliance.*
- (4) *'batch kiln' means a single industrial appliance for firing or drying a product in one discrete campaign or operating cycle that is not part of a continuous operation; 'thermal fluid heater' means an appliance that uses an oil or hydrocarbon based heat transfer medium in the liquid phase.*

Typical Type B Gasfitting work

Gas appliances can vary in size, operating pressure and complexity, ranging from small domestic gas space heaters to large industrial steam boilers or industrial furnaces. Victoria's *Gas Safety Act 1997* defines gas appliances as either Type A or Type B. Gasfitting work with these two types differs in nature, complexity and risk. For this reason, gasfitters need to be qualified for and experienced with the type of appliance with which they are working. Experienced Gasfitting plumbers typically do the following work with Type B appliances:

- Analysing and interpreting design specifications for Type B gas appliances
- Installing and testing Type B gas appliances and components, including undertaking gas and electrical safety checks, and completing and recording isolation procedures
- Installing electrical wiring and wiring enclosures
- Installing and commissioning Type B gas appliances and components that use LPG, natural gas, combination fuels or tempered liquefied petroleum gas
- Testing flue gases
- Servicing Type B gas appliances
- Repairing or replacing Type B gas appliances according to manufacturer specifications.

What do Type B Gasfitting plumbers need to know and do?

Type B gasfitters need critical knowledge and skills to ensure the health and safety of the community. What does this mean for you?

As a registered practitioner, you must be able to understand and apply the compliance requirements of Type B gasfitting work.

These requirements include:

- AS/NZS 5601.1 General gas installations
- AS/NZS 5601.2 LP gas installations in caravans and boats for nonpropulsive purposes
- AS 2593 Boilers – Safety management and supervision systems
- AS3814 Industrial and commercial gas-fired appliances
- AS/NZS 5601.1 Gas Installations
- AS/NZS 3000 Electrical Installations
- AS/NZS 4836 Safe working on low-voltage electrical installations
- the gas certification scheme for approved gas appliances and products
- clearance requirements specified in the relevant Australian Standard and manufacturer specifications.

To undertake Type B Gasfitting work to a safe and competent standard, you must also be able to:

- read a site or building plan and identify gas lines and appropriate locations and clearances for installing Type B gas appliances
- read, interpret and apply manufacturer specifications for installing Type B gas appliances
- size pipes correctly for different installation jobs
- identify and calculate ventilation requirements when installing Type B gas appliances
- understand the difference between Type A and Type B gas appliances
- undertake restricted electrical works under an existing Restricted Electrical Worker's Licence (previously Disconnect/Reconnect Worker's Licence).

What competencies and experience do you need?

To be registered in Type B Gasfitting work you must already be registered in Gasfitting work (or a restricted component of this work).

Each class of plumbing work is described by a set of units of competency. Each unit of competency describes a work outcome, all the knowledge and skills needed to do the work to the expected standard, and how they should be assessed. The Victorian Building Authority (VBA) uses the units of competency to assess your skills and experience if you apply to register in a class of plumbing work.

To meet the **knowledge requirements** for registration in Type B Gasfitting work, you must:

- hold a restricted electrical workers licence
- have completed CPCPGS4023A Install, commission and service Type B gas appliances, **or** demonstrate knowledge and competence equivalent to this unit of competency
- successfully complete the VBA's examination of registration competencies for Type B Gasfitting work.

To meet the **experience requirements** you must:

- demonstrate you were employed in Type B Gasfitting work for two years.

Before applying for registration, please read the current [approved units of competency](#) for Type B Gasfitting.

Your next step

If you are registered in Gasfitting work (or a restricted component of this work) and think you have the required skills, knowledge and experience in Type B Gasfitting work, then go to the [VBA website](#) to learn how to apply for registration in this specialised class of plumbing work.