

Gazetted Units of Competency

Victorian Plumbing Regulations 2018

Main classes: Drainage, Gasfitting, Irrigation, Mechanical Services, Roofing, Sanitary, Type B Gasfitting and Water Supply

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About

The *Victorian Plumbing Regulations 2018* will come into effect on 18 November 2018, replacing the previous Regulations (*Victorian Plumbing Regulations 2008*).

For every class of plumbing work, there is several prescribed, nationally accredited Units of Competency (units). The combination of prescribed units outlines the required skills and knowledge that plumbers are expected to hold within each class. Once these units are published, they are known as 'Gazetted Units of Competency'.

This document outlines the gazetted Units of Competency to meet the needs of the *Victorian Plumbing Regulations 2018* for the following Main Classes of plumbing work:

1. Drainage work
2. Gasfitting work
3. Irrigation (Non-agricultural) work
4. Mechanical Services work
5. Roofing (Stormwater) work
6. Sanitary work
7. Type B Gasfitting work
8. Water Supply work

All the gazetted units for the above classes are from the *CPC08 Construction, Plumbing and Services Training Package* as published on www.training.gov.au.

Summary

The tables below outline the number of units prescribed for both registration and licensing purposes.

It should be noted that there are Units of Competency that are applicable for the classes outlined in this document for both registration and licensing. These are known as 'common units':

1. For registration in all classes except *Type B Gasfitting Work* there are 8 common units.
2. For registration in *Type B Gasfitting Work* only 7 of the 8 common units are applicable.
3. For licensing for all classes there are 3 common units.

Registration

| Class | Common units | Class specific units | Total for Class |
|-------------------------------------|--------------|----------------------|-----------------|
| Drainage work | 8 | 12 | 20 |
| Gasfitting work | 8 | 23 | 31 |
| Irrigation (Non-agricultural) work* | 8 | 8 | 16 |
| Mechanical Services work | 8 | 21 | 29 |
| Roofing (Stormwater) work | 8 | 15 | 23 |
| Sanitary work | 8 | 13 | 21 |
| Water Supply work | 8 | 24 | 32 |
| Type B Gasfitting Work | 7 | 1 | 8 |

Licence

| Class | Common units | Class specific units | Total for Class |
|-------------------------------------|--------------|----------------------|-----------------|
| Drainage work | 3 | 3 | 6 |
| Gasfitting work | 3 | 1 | 4 |
| Irrigation (Non-agricultural) work* | 3 | 0 | 3 |
| Mechanical Services work | 3 | 1 | 4 |
| Roofing (Stormwater) work | 3 | 1 | 4 |
| Sanitary work | 3 | 1 | 4 |
| Water Supply work | 3 | 1 | 4 |
| Type B Gasfitting work | 3 | 1 | 4 |

Registration

Common Units

A 'common' set of 8 units are required for all but two of the main classes: Refrigerated Air-Conditioning and Type B Gasfitting. These 8 units are listed in the table below. For clarity, the common units are also listed within each main class that they apply to.

For Type B Gasfitting, 7 of the 8 units are applicable.

Common units

Units: 8

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Notes on Type B Gasfitting

For Type B Gasfitting, 7 of the 8 common units are applicable. *Carry out levelling* is not included as the knowledge and skills outlined in this unit is not fundamental to the scope of this work.

The common set of units are from the Certificates III in Plumbing and Plumbing (Mechanical Services). Equivalent units are listed in other Certificate III qualifications applicable to this class of plumbing. The VBA will recognise equivalent units.

Drainage work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|----------------------------------------------------------|
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPDR2021A | Locate and clear blockages |
| CPCPDR2022A | Install domestic treatment plants |
| CPCPDR2023A | Maintain effluent disinfection systems |
| CPCPDR2024A | Install stormwater and sub-soil drainage systems |
| CPCPDR2025A | Drain work site |
| CPCPDR2026A | Install prefabricated inspection openings and enclosures |
| CPCPDR3021A | Plan layout of a residential sanitary drainage system |
| CPCPDR3022A | Install below ground sanitary drainage systems |
| CPCPDR3023A | Install on-site disposal systems |
| RIICCM210A | Install trench support |
| CPCPSN3025A | Install pre-treatment facilities |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 12 |
| Total units | 20 |

Gasfitting work

Common

| Common units | Unit name |
|--------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|-------------------------------------------------------------------------------------------|
| CPCPCM2055A | Work safely on roofs |
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPCM3021A | Flash penetrations through roofs and walls |
| CPCPCM2048A | Cut and join sheet metal |
| CPCPCM2050A | Mark out materials |
| CPCPCM2052A | Weld using oxy-acetylene equipment |
| CPCPCM2049A | Cut with Oxy-LPG / Acetylene equipment |
| CPCPCM3023A | Fabricate and install non-ferrous pressure piping |
| RIICCM210A | Install trench support |
| CPCPGS3046A | Install LPG systems in caravans, mobile homes and mobile workplaces |
| CPCPGS3047A | Install LPG systems in marine craft |
| CPCPGS3048A | Install gas pressure control equipment |
| CPCPGS3049A | Install Type A appliance flues |
| CPCPGS3050A | Install Type B gas appliance flues |
| CPCPGS3051A | Purge consumer piping |
| CPCPGS3052A | Maintain Type A gas appliances |
| CPCPGS3053A | Disconnect and reconnect Type A gas appliances |
| CPCPGS3054A | Calculate and install natural ventilation for Type A gas appliances |
| CPCPGS3056A | Install gas piping systems |
| CPCPGS3057A | Size consumer gas piping systems |
| CPCPGS3059A | Install LPG storage of aggregate storage capacity up to 500 litres |
| CPCPGS3060A | Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 KL |
| CPCPGS3061A | Install and commission Type A gas appliances |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 23 |
| Total units | 31 |

Irrigation (Non-agricultural) work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|-------------------------------------------------------|
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPCM2050A | Mark out materials |
| CPCPCM2052A | Weld using oxy-acetylene equipment |
| RIICCM210A | Install trench support |
| CPCPIG2021A | Design domestic urban irrigation systems |
| CPCPIG3021A | Set out, install and commission irrigation systems |
| CPCPIG3022A | Install and commission domestic irrigation pumps |
| CPCPWT3027A | Connect irrigation systems from drinking water supply |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 8 |
| Total units | 16 |

Mechanical Services work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|--------------------------------------------------------------------------------------------------------|
| CPCPCM2055A | Work safely on roofs |
| CPCPCM2048A | Cut and join sheet metal |
| CPCPCM2050A | Mark out materials |
| CPCPCM2052A | Weld using oxy-acetylene equipment |
| CPCPCM2049A | Cut with Oxy-LPG / Acetylene equipment |
| CPCPCM3023A | Fabricate and install non-ferrous pressure piping |
| CPCPCM2053A | Weld using manual metal arc welding equipment |
| CPCPCM3021A | Flash penetrations through roofs and walls |
| CPCPMS2021A | Assemble mechanical services components |
| CPCPMS3031A | Fabricate and install steel pressure piping |
| CPCPMS3032A | Select and fit insulation and sheathing |
| CPCPMS3033A | Install small bore heating systems |
| CPCPMS3034A | Install medical gas pipeline systems |
| CPCPMS3035A | Install and test ducting systems |
| CPCPMS3036A | Install air handling units |
| CPCPMS3038A | Install air conditioning control equipment |
| CPCPMS3039A | Maintain mechanical services equipment |
| CPCPMS3040A | Install and maintain evaporative air cooling systems |
| UEENEEJ102A | Prepare and connect refrigerant tubing and fittings |
| UEENEEJ105A | Position, assemble and start up single head split air conditioning and water heating heat pump systems |
| UEENEEJ172A | Recover, pressure test, evacuate, charge and leak test refrigerants – split systems |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 21 |
| Total units | 29 |

Roofing (Stormwater) work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|---------------------------------------------------------------|
| CPCPCM2055A | Work safely on roofs |
| CPCPCM3021A | Flash penetrations through roofs and walls |
| CPCPCM3022A | Weld polyethylene and polypropylene pipes using fusion method |
| CPCPCM2048A | Cut and join sheet metal |
| CPCPCM2050A | Mark out materials |
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPRF2022A | Select and install roof sheeting and wall cladding |
| CPCPRF2023A | Collect and store roof water |
| CPCPRF3021A | Receive roofing materials |
| CPCPRF3022A | Fabricate and install roof drainage components |
| CPCPRF3023A | Fabricate and install external flashings |
| CPCPRF3024A | Install roof components |
| CPCPRF3025A | Install roof coverings to curved roof structures |
| CPCPRF3026A | Install composite roof systems |
| CPCCCM3001C | Operate elevated work platforms |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 15 |
| Total units | 23 |

Sanitary work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|---------------------------------------------------------------|
| CPCPCM2055A | Work safely on roofs |
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPCM3021A | Flash penetrations through roofs and walls |
| CPCPCM2048A | Cut and join sheet metal |
| CPCPCM3022A | Weld polyethylene and polypropylene pipes using fusion method |
| CPCPDR2021A | Locate and clear blockages |
| CPCPSN3011B | Plan the layout of a residential sanitary plumbing system |
| CPCPSN3022A | Install discharge pipes |
| CPCPSN3023A | Fabricate and install sanitary stacks |
| CPCPSN3024A | Install and fit off sanitary fixtures |
| CPCPSN3025A | Install pre-treatment facilities |
| CPCPSN3026A | Install sewerage pumpsets |
| CPCPCM2052A | Weld using oxy-acetylene equipment |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 13 |
| Total units | 21 |

Type B Gasfitting work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|-------------------------------------------------------|
| CPCPGS4023B | Install, commission and service Type B gas appliances |

Summary

| | |
|----------------------|----------|
| Common units | 7 |
| Class specific units | 1 |
| Total units | 8 |

Water Supply work

Common

| Unit Code | Unit name |
|-------------|------------------------------------------------------|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities |
| CPCPCM2041A | Work effectively in the plumbing and services sector |
| CPCPCM2043A | Carry out WHS requirements |
| CPCPCM2045A | Handle and store plumbing materials |
| CPCPCM2046A | Use plumbing hand and power tools |
| CPCPCM2047A | Carry out levelling |
| HLTFA211A | Provide basic emergency life support |

Class specific

| Unit Code | Unit name |
|-------------|----------------------------------------------------------------|
| CPCPCM2055A | Work safely on roofs |
| CPCPCM2054A | Carry out simple concreting and rendering |
| CPCPCM3021A | Flash penetrations through roofs and walls |
| CPCPCM2050A | Mark out materials |
| CPCPCM2052A | Weld using oxy-acetylene equipment |
| CPCPCM3022A | Weld polyethylene and polypropylene pipes using fusion method |
| CPCPCM3023A | Fabricate and install non-ferrous pressure piping |
| CPCPFS3031A | Fabricate and install fire hydrant and hose reel systems |
| CPCPFS3037A | Install domestic and residential life safety sprinkler systems |
| CPCPIG2021A | Design domestic urban irrigation systems |
| CPCPIG3021A | Set out, install and commission irrigation systems |
| CPCPIG3022A | Install and commission domestic irrigation pumps |
| CPCPWT3020A | Connect and install storage tanks to a domestic water supply |
| CPCPWT3021A | Set out and install water services |
| CPCPWT3022A | Install and adjust water service controls and devices |
| CPCPWT3023A | Install and commission water heating systems |
| CPCPWT3024A | Install & maintain domestic water treatment equipment |
| CPCPWT3025A | Install water pumpsets |
| CPCPWT3026A | Fit off and commission heated and cold water services |
| CPCPWT3027A | Connect irrigation systems from drinking water supply |
| CPCPWT3028A | Install water service |
| CPCPWT3029A | Install water pipe systems |
| RIICCM210A | Install trench support |
| CPCPCM2049A | Cut with Oxy-LPG / Acetylene equipment |

Summary

| | |
|----------------------|-----------|
| Common units | 8 |
| Class specific units | 24 |
| Total units | 32 |

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Common units

A 'common' set of 3 units are required for all main classes.

These 3 units are listed in the table below. For clarity, the common units are also listed within each main class.

Of the 3 common units, 2 are specific to the construction industry and the 3rd is a general business unit.

All the gazetted units are from the *CPC08 Construction, Plumbing and Services Training Package* as published on www.training.gov.au.

Common

Units: 3

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Drainage work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|-----------------------------------------------------------|
| CPCPDR4011B | Design and size sanitary drainage systems |
| CPCPDR4012B | Design and size stormwater drainage systems |
| CPCPDR4013B | Design and size domestic treatment plant disposal systems |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 3 |
| Total units | 6 |

Gasfitting work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|--------------------------------------------|
| CPCPGS4011C | Design and size consumer gas installations |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |

Irrigation (Non-agricultural) work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 0 |
| Total units | 3 |

Mechanical Services work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|------------------------------------------------------|
| CPCPMS4011B | Design, size and lay out heating and cooling systems |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |

Roofing (Stormwater) work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|---------------------------------------|
| CPCPRF4011B | Design and size roof drainage systems |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |

Sanitary work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|-------------------------------------------|
| CPCPSN4011B | Design and size sanitary plumbing systems |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |

Type B Gasfitting Work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|--------------------|-------------------------------------------------------|
| CPCPGS4023B | Install, commission and service Type B gas appliances |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |

Water Supply work

Common

| Unit Code | Unit name |
|--------------------|--------------------------------------------------------------------|
| BSBSMB401A | Establish legal and risk management requirements of small business |
| CPCPCM4011A | Carry out work based risk control processes |
| CPCPCM4012A | Estimate and cost work |

Class specific

| Unit Code | Unit name |
|---------------------|----------------------------------------------------------|
| CPCPWTS4011B | Design & size heated and cold water services and systems |

Summary

| | |
|----------------------|----------|
| Common units | 3 |
| Class specific units | 1 |
| Total units | 4 |