

<b>Title</b>	<b>Describe compressed air systems used for joinery work</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to: <ul style="list-style-type: none"> <li>– describe faults in air compressor systems; and</li> <li>– describe basic line and ring main compressor systems for joinery work.</li> </ul>
----------------	---

<b>Classification</b>	Joinery > Joinery Core Skills
-----------------------	-------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

### Guidance Information

- 1 Legislation and guidelines relevant to this unit standard include:
  - Health and Safety at Work Act 2015; available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - *Safe Use of Machinery: Best Practice Guidelines*; available from [www.worksafe.govt.nz](http://www.worksafe.govt.nz), and any subsequent amendments and replacements.

- 2 Assessment

This standard recognises the ability to work to construction workplace standards under the supervision of a commercially competent practitioner whose role is to ensure the completed construction meets industry and regulatory requirements.

Evidence for this unit standard must reflect commercial standards; the verbal and written information covering company policy, standard operating procedures and processes and job-specific instructions.

This unit standard must be assessed under the supervision of a commercially competent practitioner in workplace conditions that reflect:

- commercial standards, current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

- 3 Definitions

*Basic* refers to compressed air systems that are found in small factories where requirements are not sophisticated. This does not include computerised mass production machines.

*Joinery work* refers to the work, job, or project relevant to joinery, cabinetry, doors and windows, stairs, bench tops, shop fitting, and specialty surfaces.

*Workplace requirements* refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

---

## Outcomes and performance criteria

### Outcome 1

Describe faults in air compressor systems for joinery work.

#### Performance criteria

- 1.1 Common air supply faults in compressed air systems are described.
- Range condensation, leaks, design faults, goose necks, adequate drains.
- 1.2 The process steps for addressing common air supply faults in a compressed air system are described.
- Range pressure gauge adjustment, removing a faulty connection, adding drains.
- 1.3 The reporting process for compressed air system faults that cannot be addressed as part of daily maintenance is described.
- Range restricted line sizes, incorrect connections, seizure, electrical faults, compressor overheating.
- 1.4 Safety procedures for operating a compressed air system are described in terms of statutory and workplace requirements.

### Outcome 2

Describe basic line and ring main compressor systems for joinery work.

#### Performance criteria

- 2.1 The location and function of the compressor is described.
- Range position of compressor to prioritise air delivery, piston and screw compressors.
- 2.2 Methods of minimising and dealing with moisture in the air lines are described.

---

<b>Planned review date</b>	31 December 2027
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 1996	31 December 2013
Revision	2	20 December 1999	31 December 2013
Revision	3	16 June 2005	31 December 2013
Review	4	23 January 2009	31 December 2015
Review	5	24 October 2014	31 December 2025
Rollover	6	17 September 2015	31 December 2025
Rollover and Revision	7	28 June 2018	31 December 2025
Review	8	30 March 2023	N/A

**Consent and Moderation Requirements (CMR) reference**

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangaAraRau.nz](mailto:qualifications@WaihangaAraRau.nz) if you wish to suggest changes to the content of this unit standard.