

Title	Demonstrate knowledge of compressed air systems used in a joinery workplace		
Level	3	Credits	2

Purpose	<p>This entry-level unit standard is for people working in a joinery workshop.</p> <p>People credited with this unit standard are able to demonstrate knowledge of the fault identification process for a compressed air system used in a joinery workplace, and basic line and ring main compressor systems.</p>
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Classification	Joinery > Joinery Core Skills
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Available grade	Achieved
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Guidance Information

- 1 All workplace practices must comply with current legislation, codes of practice, and documented site safety procedures for personal, product, and worksite safety.
- 2 Legislation and regulations relevant to this unit standard include but are not limited to – Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.
- 3 Definition
Basic – compressed air systems that are found in small factories where requirements are not sophisticated. This does not include computerised mass production machines.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the fault identification process for a compressed air system used in a joinery workshop.

Performance criteria

1.1 Common air supply faults in the system are identified in terms of workplace practice and manufacturer's specifications.

Range air supply faults include but are not limited to – condensation, leaks, design faults, goose necks, adequate drains.

1.2 Process for adjusting faults in the system is described in terms of the required steps.

Range adjustments may include but are not limited to – pressure gauge adjustments, removal of faulty connections, addition of extra drains.

1.3 Possible additional faults in the system are identified and described in terms of the reporting process.

Range additional faults may include but are not limited to – restricted line sizes, incorrect connections, seizure, electrical faults, compressor overheating.

1.4 Safety procedures are identified and described in terms of workplace practice and legislative requirements.

Outcome 2

Demonstrate knowledge of basic line and ring main compressor systems.

Performance criteria

2.1 The location and function of the compressor is described in terms of workplace practice.

2.2 Methods of minimising and dealing with moisture in the air-lines are described in terms of workplace practice.

Planned review date	31 December 2020
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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	N/A
Rollover	6	17 September 2015	N/A
Rollover and Revision	7	28 June 2018	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 the Building and Construction Industry Training Organisation info@bcito.org.nz if you wish to suggest changes to the content of this unit standard.