

Title	Describe scuba dive cylinder filling and use a high-pressure compressor to fill a scuba cylinder		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to: describe scuba dive cylinder filling; and use a high-pressure compressor to fill a scuba cylinder.
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Classification	Diving > Diving - General
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Available grade	Achieved
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Guidance Information

- 1 All learning and assessment leading to this unit standard must be carried out in accordance with the following as relevant:
 - legislation including the Health and Safety at Work Act 2015, Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, Health and Safety at Work (Hazardous Substances) Regulations 2017, Accident Compensation Act 2001, and subsequent amendments;
 - *Working Safely in the Occupational Diving, Snorkelling, and Free-Diving Industries – A Guide for PCBUs* (WorkSafe, March 2020) and any supplementary publications, or any subsequent editions;
 - *Guide to gas cylinders – Approving, Testing, Filling, handling and Storage of Gas Containers, Valves and Fittings* (WorkSafe, February 2020);
 - industry technical and safety criteria.
- 2 Definition
Industry technical and safety criteria refer to dive instruction, supervision and performance being carried out in accordance with the standards, procedures and training materials of the respective dive training agency. The agency must meet or exceed the World Recreational Scuba Training Council training standards.
- 3 Filling of cylinders may only be carried out at approved Environmental Protection Authority (EPA) accredited filling stations.
- 4 Whilst conducting cylinder filling the candidate must be supervised by a current EPA approved filler who can take over and stop the filling procedure at any time.

Outcomes and performance criteria

Outcome 1

Describe scuba dive cylinder filling.

Performance criteria

- 1.1 Describe types, parts and functions of scuba dive cylinders.
- 1.2 Describe markings of scuba dive cylinders.
- 1.3 Describe types, parts and functions of scuba dive cylinder valves.
- 1.4 Describe scuba dive cylinder transportation, storage, care and maintenance.
- 1.5 Describe the parts and functions of a high-pressure compressor used to fill scuba cylinders.
- 1.6 Describe the procedures for using a high-pressure compressor to fill scuba cylinders.

Outcome 2

Use a high-pressure compressor to fill a scuba cylinder.

Performance criteria

- 2.1 Operate the compressor in accordance with compressor manufacturer's manuals.
- 2.2 Complete procedures for using a high-pressure compressor to fill cylinders used in scuba in accordance with compressor manufacturer's manuals.
- 2.3 Maintain the compressor in accordance with compressor manufacturer's manuals.

Replacement information	This unit standard replaced unit standard 4405.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2014	31 December 2022
Review	2	25 March 2021	N/A

Consent and Moderation Requirements (CMR) reference	0099
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Skills Active Aotearoa Limited info@skillsactive.org.nz if you wish to suggest changes to the content of this unit standard.