



**CSA Z275.1:23**  
National Standard of Canada



# Hyperbaric operations and work in compressed air environments



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# Preface

This is the sixth edition of CSA Z275.1, *Hyperbaric operations and work in compressed air environments*. It supersedes the previous editions published in 2016, 2005, 1993, 1982, and 1974 under the title *Hyperbaric facilities*.

For improved application to dive support and clinical settings, this edition has been significantly updated and reorganized to incorporate requirements from CSA Z275.3. As well, it has been technically updated to correspond with updates to other related standards in the CSA Z275 series of standards as well as with ASME PVHO-1. Changes to this edition include the following:

- a) updated definitions (Clause [3](#));
- b) updated chamber design requirements (Clause [4](#));
- c) added requirements for single-occupancy chambers (Clause [15](#));
- d) updated requirements for single and multiple hyperbaric chamber operators (Clause [18.2.3](#));
- e) added Clause [19](#) on hyperbaric operations in support of compressed air environments;
- f) added Annex [I](#) on single-occupancy clinical hyperbaric chamber operators; and
- g) added Annex [J](#), which is a bibliography on offshore hyperbaric standards, regulations, and guidance documents.

This Standard was developed by CSA Group with funding support provided by the Canadian Association of Administrators of Labour Law — Occupational Safety and Health (CAALL-OSH), including provincial and territorial governments, as well as the Government of Canada. CSA Group is solely responsible for the content of this Standard, and CSA Group and the funding bodies disclaim any liability in connection with the use of the information contained in this Standard.

This Standard was prepared by the Subcommittee on Hyperbaric Facilities and Compressed Air Environments, under the jurisdiction of the Technical Committee on Occupational Diving and Hyperbaric Environments and the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

## Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
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