

**AS 4214—2002**  
(Incorporating Amendment No. 1)

AS 4214—2002

Australian Standard™

## **Gaseous fire extinguishing systems**

This Australian Standard was prepared by Committee FP-011, Gaseous Fire Protection. It was approved on behalf of the Council of Standards Australia on 28 August 2002. This Standard was published on 13 November 2002.

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The following are represented on Committee FP-011:

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Australian Government Analytical Laboratories, Scientific Services Laboratory  
Australian Industry Group  
Australian Museum  
Commerce Queensland  
Department of Defence (Australia)  
Fire Protection Association Australia  
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## PREFACE

This Standard was prepared by the Standards Australia Committee FP-011, Gaseous Fire Extinguishing Systems, to supersede AS 4214—1995, *Gaseous fire extinguishing systems—General requirements*.

*This Standard incorporates Amendment No. 1 (May 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

This revision is based on ISO 14520.1 and NFPA 12, *Carbon dioxide extinguishing systems*. The Committee has introduced higher levels of safety and security. Additionally, this revision includes a section dedicated to marine application. Appendices cover gaseous agents including an appendix for carbon dioxide.

It is essential that gaseous fire extinguishing systems be maintained to ensure instant readiness when required. The importance of maintenance cannot be too highly emphasized. Maintenance requirements for gaseous systems are detailed in AS 1851.12 (see Clause 1.4).

Gas containers manufactured for use in Australia are required to meet the design criteria set out in AS 2030.1, *The approval, filling, inspection, testing and maintenance of containers for the storage and transport of compressed gases*, Part 1: *Containers for compressed gases other than acetylene*.

Attention is drawn to AS 2030.1, as it requires containers to be designed for a pressure developed at the nominated maximum temperature of 65°C. This is some 10°C higher than that nominated in overseas codes. Accordingly, this aspect should be kept in mind for any imported containers.

It is a basic assumption in all technical standards work that each Standard be used only by persons competent in the field of application. This is of particular importance in fire protection work. Accordingly, it is emphasized that only trained and experienced designers interpret the design requirements contained herein.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of this Standard.

*This Standard incorporates a Commentary on some Clauses. The Commentary directly follows the relevant Clause, is designated by ‘C’ preceding the clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.*

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