

Australian Standard™

**Water mist fire protection systems—  
System design, installation and  
commissioning**

This Australian Standard was prepared by Committee FP/12, Aqueous Fire Protection Systems. It was approved on behalf of the Council of Standards Australia on 21 May 1999 and published on 5 August 1999.

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The following interests are represented on Committee FP/12:

Australian Chamber of Commerce and Industry  
Department of Defence  
Fire Protection Association of Australia  
Institute of Security Executives  
Institution of Engineers Australia  
Metal Trades Industry Association of Australia  
Scientific Services Laboratory—A Business Unit of AGAL  
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AS 4587—1999

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First published as AS 4587—1999.

Published by Standards Australia  
(Standards Association of Australia)  
1 The Crescent, Homebush, NSW 2140

ISBN 0 7337 2789 1

## PREFACE

This Standard was prepared by the Standards Australia Committee FP/12, Aqueous Fire Protection Systems.

The objective of this Standard is to provide users of water mist fire protection systems with specific requirements for low, medium and high pressure systems using either closed or open nozzles. Some systems may employ compressed air or inert gases to produce water mist. The Standard also provides requirements for the design installation, testing and commissioning of water mist systems.

It is essential that fire protection equipment must be carefully maintained to ensure instant readiness when required. The importance of maintenance cannot be too highly emphasized. This Standard does not provide for the maintenance of water mist systems. Maintenance of fire protection equipment is contained in the AS 1851 series.

It is a basic assumption in all technical Standards that each Standard will 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 the design requirements in this Standard are to be interpreted only by trained and experienced designers.

The marine systems requirements given in this Standard are not intended to override the requirements of the international convention on Safety of Life at Sea (SOLAS) or the International Maritime Orders (IMO). Where conflict exists, SOLAS or IMO will take precedence.

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 a Standard.

*This Standard incorporates a Commentary on some of the 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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