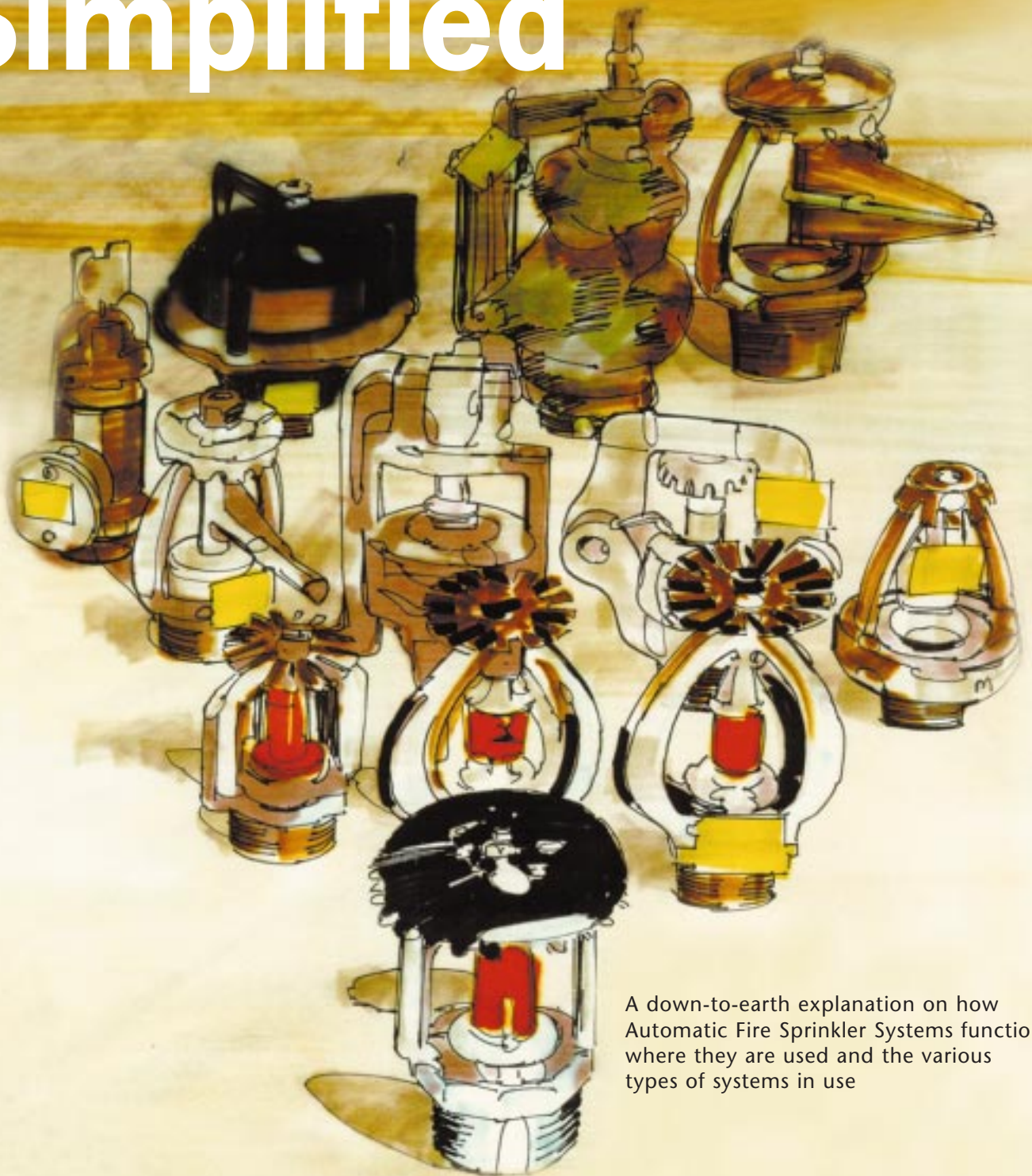


Sprinklers Simplified



A down-to-earth explanation on how Automatic Fire Sprinkler Systems function, where they are used and the various types of systems in use

Sprinklers Simplified

HB 147—2000
ISBN 0 7337 3037 X
First published 2000

Author

Barry M Lee, OAM, Dip Mech. E, FI Fire E (Lond), MRSH
Fellow Society of Fire Protection Engineers, USA

Technical Consultant (formerly Technical Director) Tyco International Pty Limited. Past President, Australian industrial Research Group, Fire Protection Industry Association, Fire Protection Association and Institution of Fire Engineers (NSW Branch). Member Australian Committee, Det Norske Veritas and independent member DNVQA Quality Committee. Member Australian Technical Committee, Lloyd's Register of Shipping. Deputy Chairman, Industry Liaison Committee, Fire Code Reform.

Currently chairman, Fire Protection Standards Co-ordinating Group and Technical Committees on Automatic Sprinklers and Fire Service Pumps. Member of Standards Australia Council, International Standards Policy Board, Building Standards Policy Board and Technical Committees on Fire Safety, Fire Hydrants and Gaseous Fire Extinguishing Systems. Represents Australia on ISO Technical Committee 21 and chairs ISO/TC 21/SC 8, Gaseous Fire Extinguishing Systems.

Co-author

Mr David Michel, GI Fire E; AAIL; MAIRM
David Michel is Projects Manager at Standards Australia and Secretary to Technical Committee FP/4, Automatic Fire Sprinkler Systems, and manages the suite of sprinkler standards.

Acknowledgments

The authors gratefully acknowledge Tyco International for much of the source material included in this handbook together with the photographs used.

Kind assistance from Mr Bob Allsopp is acknowledged for proof-reading the manuscript and to Mr Eoin Shearer and FPA Australia who kindly endorsed the publication.
FPA Australia PO BOX 1049 Box Hill Vic 3128 www.fpaa.com.au

Cover

Cover illustration shows a variety of sprinklers in 100 years of sprinkler technology.

Copyright

© Standards Australia
All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.
Published by Standards Australia International Ltd, PO Box 1055, Strathfield, NSW 2135
www.standards.com.au

Contents

Chapter 1	History	1
Chapter 2	The underlying principles of AS 2118	7
Chapter 3	The anatomy of a sprinkler system	17
Chapter 4	Sprinklers	23
Chapter 5	Australian Standards	39
Chapter 6	A very remarkable record	49
Chapter 7	Facts and fallacies	55
Chapter 8	Cost benefits of sprinkler protection	61
Chapter 9	Maintenance	65
Bibliography	67
Index	73



An early sprinkler

A woodcut representing the Sensitive-Automatic Fire Extinguisher fitted up close to the ceiling boards of a factory.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-