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AS/NZS 5149.4:2016

Australian/New Zealand Standard™

Refrigerating systems and heat pumps—Safety and environmental requirements

Part 4: Operation, maintenance, repair and recovery (ISO 5149-4:2014, MOD)

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The following are represented on Committee ME-006:

Air Conditioning and Refrigeration Equipment Manufacturers Association of Australia
Air Conditioning and Refrigeration Wholesalers Association
Australian Industry Group
Australian Institute of Refrigeration, Air Conditioning and Heating
Australian National Retailers Association
Australian Refrigeration Council
Climate Control Companies Association, New Zealand
Consumer Electronics Suppliers Association
Department of Environment
Department of Natural Resources and Mines, Qld
Environmental Protection Authority, New Zealand
Green Cooling Association
Institute of Refrigeration Heating and Air Conditioning Engineers of New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-006, RefrigerationRefrigerating systems, Part 2: Safety requirements for fixed applications, to supersede, in part, AS/NZS 1677.2, *Refrigerating systems*, Part 2: *Safety requirements for fixed applications*.

The objective of this series of Standards is to promote the safe design, construction, disposal, installation and operation of refrigerating systems.

The AS/NZS 5149 series consists of the following parts under the general title, *Refrigerating systems and heat pumps—Safety and environmental requirements*:

Part 1: *Definitions, classification and selection criteria (ISO 5149-1:2014, MOD)*
Part 2: *Design, construction, testing, marking and documentation (ISO 5149-2:2014, MOD)*
Part 3: *Installation site (ISO 5149-3:2014, MOD)*
Part 4: *Operation, maintenance, repair and recovery (ISO 5149-4:2014, MOD)* (this Standard)

This Standard is an adoption with national modifications and has been reproduced from ISO 5149-4:2014, *Refrigerating systems and heat pumps—Safety and environmental requirements*, Part 4: *Operation, maintenance, repair and recovery*, and has been varied as indicated to take account of Australian/New Zealand conditions. The modifications are specified in the normative Appendix ZZ following the source text.

These modifications to the ISO source text are essential for compliance with this Australian/New Zealand Standard.

Appendix ZA of AS/NZS 5149.1 provides guidance and examples on refrigerant charge limit determination for information only.

This Standard is to be read in conjunction with relevant national Refrigeration Industry Codes of Practice.

As this Standard is reproduced from an International Standard, the following applies:

(a) In the source text ‘this part of ISO 5149’ should read ‘this Australian/New Zealand Standard’.

(b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian or Australian/New Zealand Standard*	
ISO		AS/NZS	
		4211	Gas recovery or combined recovery and recycling equipment
11650	Performance of refrigerant recovery and/or recycling equipment	4211.3	Part 3: Fluorocarbon refrigerants from commercial/domestic refrigeration and air-conditioning systems

Only normative references that have an alternative Australian or Australian/New Zealand Standard have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

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