AS 1731.6—2003
(Incorporating Amendment No. 1)

AS 1731.6—2003

Australian Standard™

Refrigerated display cabinets

Part 6: Classification according to temperatures

This Australian Standard was prepared by Committee ME-008, Refrigerated Display Cabinets. It was approved on behalf of the Council of Standards Australia on 26 September 2003.

This Standard was published on 1 October 2003.

The following are represented on Committee ME-008:

Australian Greenhouse Office
Australian Retailers Association
Commercial Refrigeration Manufacturers Association of Australia
Food Science Australia
Institution of Engineers Australia
Refrigeration Air Conditioning Companies Association

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee ME-008, Refrigerated Display Cabinets, to supersede AS 1731.6—2000, *Refrigerated display cabinets*, Part 6: *Classification according to temperatures*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (December 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 Standard is based on International Standard prEN ISO 23953-2:2000, *Refrigerated display cabinets,* Part 2: *Classification, requirements and test conditions*.

This Standard is Part 6 of a series of Standards for refrigerated display cabinets, as follows:

AS		
1731	Refrigerated display cabinets	
1731.1	Part 1:	Terms and definitions
1731.2	Part 2:	General mechanical and physical requirements
1731.3	Part 3:	Linear dimensions, areas and volumes
1731.4	Part 4:	General test conditions
1731.5	Part 5:	Temperature test
1731.6	Part 6:	Classification according to temperatures (this Standard)
1731.7	Part 7:	Defrosting test
1731.8	Part 8:	Water vapour condensation test
1731.9	Part 9:	Electrical energy consumption test
1731.10	Part 10:	Test for absence of odour and taste
1731.11	Part 11:	Installation maintenance and user guide
1731.12	Part 12:	Measurement of heat extraction rate of the cabinets when the condensing unit is remote from the cabinet
1731.13	Part 13:	Test reports
1731.14	Part 14:	Minimum energy performance standard (MEPS) requirements

CONTENTS

STANDARDS AUSTRALIA

Australian Standard
Refrigerated display cabinets

Part 6: Classification according to temperatures

1 SCOPE

1.1 Scope of Standard

A1 This Standard specifies terminology, general mechanical and physical requirements, test conditions as well as installation and maintenance, for commercial refrigerators and freezers used for the sale or display of food products including beverages.

This Standard does not cover refrigerated vending machines, ice-makers, cabinets intended for use in catering and similar non-retail applications.

1.2 Scope of Part 6

This Part of AS 1731 specifies the method of classification and particular requirements for refrigerated display cabinets.

Decisions regarding the choice of types of food for display in the cabinets are outside the Scope of this Standard.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS
1731 Refrigerated display cabinets
1731.4 Part 4: General test conditions
1731.5 Part 5: Temperature test

3 OBJECTIVE

The objective of this Standard is to provide classification for refrigerated display cabinets for use by manufacturers, suppliers, purchasers, operators and regulators of these systems.

4 CLASSIFICATION ACCORDING TO TEMPERATURES

4.1 Climate class

The number of the test room climate shall be indicated for each cabinet in accordance with AS 1731.4.

4.2 M-package temperature class

A1 The performance of the cabinets shall comply with one or more of the classifications defined in Table 1. The performance shall be verified in accordance with the conditions and methods of the test specified in Part 5 (AS 1731.5).

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