

Australian Standard™

**Refrigerated display cabinets**

**Part 1: Terms and definitions**



Standards Australia

This Australian Standard was prepared by Committee ME/8, Refrigerated Display Cabinets. It was approved on behalf of the Council of Standards Australia on 28 April 2000 and published on 10 August 2000.

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The following interests are represented on Committee ME/8:

Australian Food and Grocery Council  
Australian Retailers Association  
Commercial Refrigeration Manufacturers Association of Australia  
Food Science Australia  
New South Wales Health Department

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Originated as AS B220—1996.  
Previous edition AS 1731—1983.  
Revised and redesignated in part as AS 1731.1—2000.

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## PREFACE

This Standard was prepared by Standards Australia Committee ME/8, Refrigerated Display Cabinets, to supersede (in part) AS 1731—1983, *Frozen food retail cabinets*.

The Scope of the original Standard has been extended to include requirements for retail chiller cabinets as well as retail freezer cabinets. This Standard is based on British Standard BS EN 441:1995, *Refrigerated display cabinets, Part 1: Terms and definitions*.

This Standard is Part 1 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   |
| 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 the heat extraction rate of the cabinets when the condensing unit is remote from the cabinet |

The objective of this series of Standards is to provide standardized construction requirements and performance assessment procedures for refrigerated display cabinets, for use by manufacturers, suppliers, purchasers, operators and regulators of these systems.

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STANDARDS AUSTRALIA  

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**Australian Standard**  
**Refrigerated display cabinets**  

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**Part 1: Terms and definitions**  

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## 1 SCOPE

### 1.1 Scope of Standard

This Standard specifies terminology, general mechanical and physical requirements, test conditions as well as installation and maintenance, including a user's guide, for refrigerated display cabinets for the sale or display, or both, of food products.

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

### 1.2 Scope of Part 1

This Part of AS 1731 contains terms and definitions applicable to all parts of the AS 1731 series.

## 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

|        |  |
|--------|--|
| AS     |  |
| 1731   | Refrigerated display cabinets                        |
| 1731.2 | Part 2: General mechanical and physical requirements |
| 1731.4 | Part 4: General test conditions                      |

## 3 DEFINITIONS

For the purposes of this Standard, the definitions below apply.

### 3.1 Refrigerated display cabinet

Cabinet cooled by a refrigerated system (see Clauses 3.18 and 3.19) which enables chilled and frozen foodstuff placed therein for display to be maintained within prescribed temperature limits.

### 3.2 Load limit

For each part of the cabinet, boundary surface consisting of a plane or several planes within which all test packages can be maintained within the limits for the temperature class declared.

### 3.3 Load limit line

Permanently marked boundary line denoting the edge of the load limit surface (see AS 1731.2).