

NSF International Standard / American National Standard

NSF/ANSI 7 - 2014

Commercial Refrigerators and Freezers









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NSF International Standard/ American National Standard for Food Equipment —

Commercial refrigerators and freezers

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## Contents

ı		[al	
		cope	
	1.3 Al	Iternate materials, design, and construction	1
	1.4 M	leasurement	1
2	Norma	ative references	4
_			
3	Defini	tions	•
5	Dellilli	UO15	4
4	11-1	:-1-	,
4	water	ials	2
		onformance to NSF/ANSI 51	
		inc-coated materials	
		older	
	4.4 G	askets	3
	4.5 C	anopies and awnings	3
		torage shelving	
5Г	esian a	and construction	5
٠ <u>ـ</u>		eneral sanitation	
		xternal angles and corners	
		asteners	
		pints and seams	
	5.5 E	dges and nosings	5
		einforcing and framing	
	5.7 In	spection and maintenance panels	5
		eneers	
	5.9 D	oors	
	5.10	Hinges	6
	5.11	Door gaskets	6
	5.12	Door tracks and guides	6
	5.13	Covers	
	5.14	Openings into food zones	
	5.15	Entry ports	
	5.16	Drains	
	5.17	Hardware	
	5.18	Handles and pulls	
	5.19	Latches and catches	
	5.20	Breaker strips	
	5.21	Shelving	
	5.22	Ventilation openings	
	5.23	Louvers	
	5.24	Equipment mounting	
	5.25	Legs and feet	9
	5.26	Casters, rollers, and gliders	9
	5.27	Insulation	10
	5.28	Cutting boards	10
	5.29	Temperature controls	
	5.30	Breakable glass components	
	5.31	Food drawers	
	5.32	Food shields	
	J.JZ	i dod dilicida	10
6	Stores	ne refrigerators and freezers and refrigerated food transport achieves	47
U		ge refrigerators and freezers and refrigerated food transport cabinets	
		inc-coated materials	
		ternal angles and corners	
		pints and seams	
	6.4 H	linges	11

	6.5 Casters, rollers, and gliders	11
	6.6 Refrigeration and cooling components	
	6.7 Temperature-indicating devices (thermometers)	12
	6.8 Drains	
	6.9 Equipment labeling and literature requirements	
	6.10 Performance – storage refrigerators and refrigerated food transport cabinets	13
	6.11 Performance – storage freezers	14
7	Refrigerated buffet units and refrigerated food preparation units	16
	7.1 Internal angles and corners	
	7.2 Equipment labeling and literature requirements	16
	7.3 Refrigeration and cooling components	
	7.4 Temperature-indicating devices (thermometers)	17
	7.5 Performance	17
8	Prefabricated walk-in and roll-in refrigerators and freezers	
	8.1 Prefabricated walk-in and roll-in refrigerators and freezers	19
	8.2 Prefabricated walk-in and roll-in refrigerators and freezers used for the storage of food in the	
	original sealed package	
	8.3 Equipment labeling and literature requirements	
	8.4 Performance for PVC laminated steel or aluminum	23
9	Display refrigerators and freezers	
	9.1 Materials	
	9.2 Design and construction	
	9.3 General sanitation	
	9.4 Fasteners	
	9.5 Joints and seams	
	9.6 Reinforcing and framing	
	9.7 Doors	
	9.8 Drains	
	9.9 Shelving	
	9.10 Equipment mounting	
	9.11 Refrigeration and cooling components	
	<ul><li>9.12 Temperature-indicating devices (thermometers)</li><li>9.13 Equipment labeling and literature requirements</li></ul>	
	9.14 Performance	
	9.14 Fenomiance	20
10	Rapid pull-down refrigerators and freezers	29
	10.1 Internal angles and corners	29
	10.2 Refrigeration and cooling components	
	10.3 Temperature-indicating devices (thermometers)	
	10.4 Equipment labeling and literature requirements	
	10.5 Performance	30
Anr	nex A	A1
Δnr	nev R	R1

## Foreword<sup>2</sup>

The purpose of this Standard is to establish minimum food protection and sanitation requirements for the materials, design, construction, and performance of commercial refrigerators and freezers.

This edition of the Standard contains the following revision:

Issue 11

The purpose of this revision was to add language and new sections 8.1.1.2 and 8.4. These sections permit the use of PVC laminated metal for flooring inside walk-in and roll-in refrigerators and freezers.

This Standard was developed by the NSF Joint Committee on Food Equipment using the consensus process described by the American National Standards Institute.

Suggestions for improvement of this Standard are welcome. This Standard is maintained on a Continuous Maintenance schedule and can be opened for comment at any time. Comments should be sent to Chair, Joint Committee on Food Equipment, c/o NSF International, Standards Department, P.O. Box 130140, Ann Arbor, Michigan, 48113-0140, USA.

<sup>&</sup>lt;sup>2</sup> The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. Therefore, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

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viii	

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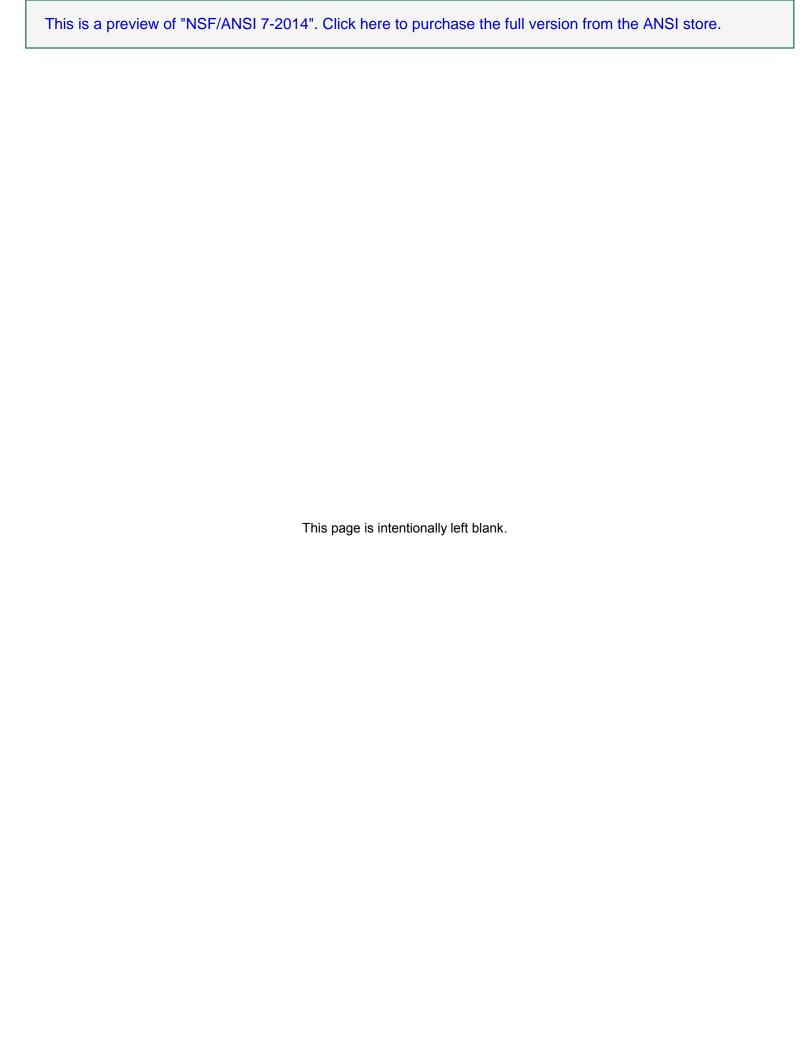
NSF maintains laboratories in Michigan, as well as offices in Ann Arbor, MI, and Brussels, Belgium.

#### Commercial Refrigerator Manufacturers Division/Air Conditioning Refrigeration Institute

The Commercial Refrigerator Manufacturers Association (CRMA) was founded in 1933 as a national trade association dedicated to advancing the common interests of the commercial refrigeration industry. In April 2000, CRMA merged with the Air Conditioning Refrigeration Institute (ARI) to form the Commercial Refrigerator Manufacturers Division/Air Conditioning Refrigeration Institute. CRMD/ARI continues to target three primary objectives:

- to showcase technical and business information to help solve common problems and promote growth in industry.
- to represent the collective voice of the industry with any government organization addressing policies or issues affecting the industry.
  - to support high voluntary standards for quality in equipment design and performance.

CRMD/ARI is a not-for-profit corporation of leading businesses meeting international demands for increasingly specialized and efficient refrigeration equipment. CRMD/ARI members serve a wide range of markets, including supermarkets, food stores, convenience stores, restaurants, hotels, motels, food processing establishments, and hospitals.



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## NSF/ANSI International Standard for Food Equipment —

# Commercial refrigerators and freezers

## Commercial refrigerators and freezers

#### 1 General

### 1.1 Purpose

This Standard establishes minimum food protection and sanitation requirements for the materials, design, manufacture, construction, and performance of commercial refrigerators and freezers and their related components.

## 1.2 Scope

This Standard contains requirements for refrigerators and freezers used to store and/or display cold food. The types of refrigerators and freezers covered by this Standard include, but are not limited to: storage refrigerators (e.g., reach-in, under counter, walk-in, roll-in); storage freezers (e.g., reach-in, under counter, walk-in, roll-in); rapid pull-down refrigerators and freezers; refrigerated food transport cabinets; refrigerated buffet units; refrigerated food preparation units; display refrigerators; beverage coolers; and i ce cream cabinets.

This Standard does not establish equipment installation requirements. While the requirements of this Standard are intended to ensure that equipment may be installed in a sanitary manner, proper installation of equipment shall be governed by the applicable codes.

Refrigerator and freezer components and materials covered under other NSF or NSF/ANSI Standards or Criteria shall also conform to the requirements therein. This Standard is not intended to restrict new unit design, provided that such design meets the minimum specifications described herein.

#### 1.3 Alternate materials, design, and construction

While specific materials, design, and construction may be stipulated in this Standard, equipment that incorporates alternate materials, design, or construction may be acceptable when such equipment meets the applicable requirements herein.

#### 1.4 Measurement

Decimal and SI conversions provided parenthetically shall be considered equivalent. Metric conversions have been made according to IEEE/ASTM SI 10.

### 2 Normative references

The following documents contain provisions that, through reference, constitute provisions of this NSF/ANSI Standard. At the time this standard was balloted, the editions listed below were valid. All documents are