

ANSI Z8.1-1996

# American National Standard

*for Commercial Laundry  
and Drycleaning Operations –  
Safety Requirements*



**American National Standards Institute**

11 West 42nd Street  
New York, New York  
10036

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**Z8.1-1996**  
Revision of  
ANSI Z8.1-1990

American National Standard  
for Commercial Laundry and Drycleaning Operations –  
**Safety Requirements**

Sponsor

**Textile Care Allied Trades Association, Inc.**

Approved March 8, 1996

**American National Standards Institute, Inc.**

## American National Standard

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## Contents

	Page
Foreword.....	ii
<b>1</b> General information.....	<b>1</b>
<b>2</b> Normative references .....	<b>1</b>
<b>3</b> Definitions.....	<b>2</b>
<b>4</b> Equipment.....	<b>3</b>
<b>5</b> Operating rules.....	<b>8</b>
<b>Table</b>	
<b>1</b> Maximum allowable temperature based on 25°C ambient.....	<b>4</b>

**Foreword** (This foreword is not part of American National Standard Z8.1-1996.)

In 1922, the American Engineering Standards Committee (now American National Standards Institute) invited the Laundry Owners' National Association, the Association of Government Labor Officials, and the National Association of Mutual Casualty Companies to act as sponsors for a safety code for laundry machinery and operations. These associations accepted the sponsorship and, according to the procedure of AESC, organized a sectional committee to draft such a code. The code was approved as a tentative standard in 1924. In 1941, it was advanced without revision to the status of American Standard.

In 1953, the American Institute of Laundering (formerly Laundry Owners' National Association) resigned from the sponsorship, and the Institute of Industrial Launderers, Inc., was officially accepted as a sponsor for this project. The three sponsors, International Association of Governmental Labor Officials (formally AGLO), NAMCC, and IIL, submitted a revised scope, which was approved in June 1953. Several drafts of proposed revisions were circulated and studied. After review and endorsement by Sectional Committee Z8, this revision was approved by the American Standards Association (formerly American Engineering Standards Committee) in 1961.

In 1970, IIL and Laundry and Cleaners Allied Trades Association (LACATA) sponsored a revival of the Z8 Committee for the purpose of updating American National Standard Z8.1-1961. The newly formed Z8 Committee met several times thereafter to review proposals on revisions of the standard received from the laundry and drycleaning industry and from other interested organizations. This standard was revised in 1970 and in 1990. The latest revision of this standard was approved on March 8, 1996.

Suggestions for improvement of this standard will be welcome. They should be sent to the Textile Care Allied Trade Association, Inc., 271 Route 46 West, #D203, Fairfield, NJ 07004.

Consensus for this standard was achieved by use of the Canvass Method.

The following organizations, recognized as having an interest in the standardization of safety requirements for Commercial Laundry and Drycleaning Operations were contacted prior to the approval of this revision of the standard. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

Steve Landon, P.E., Z8 Committee Chairman  
David Cotter, Z8 Committee Secretary

American Hotel & Motel Association  
Coin Laundry Association  
Factory Mutual Research Corporation  
International Fabricare Institute  
National Association of Institutional Linen Management  
OSHA – U.S. Department of Labor  
Textile Care Allied Trades Association, Inc.  
Textile Rental Services Association  
Underwriters Laboratories, Inc.  
Uniform & Textile Services Association

# American National Standard for Commercial Laundry and Drycleaning Operations –

## Safety Requirements

### 1 General information

#### 1.1 Scope

This standard applies to the operation of equipment used in commercial laundries and drycleaning plants. It does not apply to coin-operated or ticket-operated laundries or drycleaning centers. For commercial drycleaning operations, this standard shall be used in conjunction with *American National Standard for Drycleaning plants*, ANSI/NFPA 32-1990.

#### 1.2 Purpose

The purpose of this standard is to provide reasonable safety requirements. Where specific devices or methods are mentioned, other devices or methods that will ensure equally good results, may be used subject to the approval of the enforcing authorities.

#### 1.3 New installations

All new or used equipment installed on or after the date on which this standard shall become effective shall conform to its provisions.

#### 1.4 Existing installations

These rules may be modified, in whole or in part, by the enforcing authorities with respect to existing or new installations when adequate reasons are given for such action.

#### 1.5 Responsibility

Compliance with this standard shall be the responsibility of the plant operator. The manufacturers of new equipment shall provide the necessary instructions for the installation and operation of the equipment for compliance with this standard.

#### 1.6 Effective date

This standard shall become effective on March 8, 1996.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI/ASME B15.1-1992, *Safety standard for mechanical power transmission apparatus*

ANSI/ASME Boiler and pressure vessel code, Section VIII, Pressure vessels – Division 1, 1995

ANSI/NFPA 10-1994, *Portable fire extinguishers*

ANSI/NFPA 13-1994, *Installation of sprinkler systems*

ANSI/NFPA 32-1990, *Drycleaning plants*

ANSI/NFPA 70-1996, *National electrical code*