American National Standard

for Commercial Laundry and Drycleaning Equipment and Operations - Safety Requirements

ANSI Z8.1-2006

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

Sponsor

Textile Care Allied Trades Association, Inc.

Approved December 1, 2006

American National Standards Institute, Inc.

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Foreword (This foreword is not part of American National Standard ANSI Z8.1-2006.)

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. The final draft of the standard was approved in 1972. The standard was again revised in 1990.

The Textile Care Allied Trades Association (TCATA), formerly LACATA, took over as Sponsor of the Z8 Committee and the standard was revised in 1996.

The Z8 Committee met again in 2004, 2005 and 2006 to review new proposals on the standard. The final draft of that standard was approved in late 2006.

ANSI Z8.1-1996 had been approved on March 8, 1996. It was not revised or reaffirmed within the next 10 years. Because of this inaction, and in accordance with ANSI procedures, ANSI administratively withdrew the standard on March 8, 2006. ANSI Z8.1-2006 was therefore submitted for public review as a new standard.

Suggestions for improvement of this standard are welcome. They should be sent to the Textile Care Allied Trades 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.

David Cotter, Z8 Committee Secretary
American Hotel & Lodging 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
Textile Rental Services Association
Uniform & Textile Services Association

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1 General information

1.1 Scope

This standard applies to the safety design and safe operation of equipment and some systems used in commercial and institutional 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.

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.

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 Responsibility

Machine manufacturers shall be responsible for supplying new equipment which complies with clause 4 of this standard at the time such machines leave the respective factories. Plant management shall be responsible for complying with clause 5 of this standard as well as keeping their machines in compliance with clause 4 of this standard once such machines come into their possession.

1.5 Effective date

This standard shall become effective on December 1, 2006.

2 Normative references

The following standards, while not all inclusive, contain provisions which, through reference in this text, constitute provisions of this American National Standard. 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 B15.1-2000, *Safety standard for mechanical power transmission apparatus*

ANSI/ASME *Boiler and pressure vessel code, Section VIII, Pressure vessels - Division 1,* 2004

ANSI/NFPA 10-2002, *Portable fire extinguishers*

ANSI/NFPA 13-2002, *Installation of sprinkler systems*

ANSI/NFPA 32-2004, *Drycleaning plants*

ANSI/NFPA 70-2005, *National Electrical Code*

ANSI/NFPA 79-2002, *Electrical standard for industrial machinery*

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