

American National Standard

*for Commercial Laundry
and Drycleaning Operations –
Safety Requirements*



American National Standards Institute

11 West 42nd Street
New York, New York
10036

Currently in preview, click buy full version

ANSI[®]
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

Approval of an American National Standard requires verification by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution.

The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

The American National Standards Institute does not develop standards and will in no circumstances give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretations should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

CAUTION NOTICE: This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

Published by

**American National Standards Institute
11 West 42nd Street, New York, New York 10036**

Copyright © 1996 by American National Standards Institute
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without prior written permission of the publisher.

Printed in the United States of America

insert code here

Contents

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

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 Cooper, Z8 Committee Secretary

American Hotel & Motel Association
Coin Laundry Association
Embroidery 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*