AMERICAN NATIONAL STANDARD

ANSI/ASSE A10.10-1998 (R2004)
Safety Requirements for Temporary and Portable Space Heating Devices—American National Standard for Construction and Demolition Operations

ANSI/ASSE A10.10-1998 (R2004)

AMERICAN SOCIETY OF SAFETY ENGINEERS

ANSI®
A10.10-1998 (R2004)

American National Standard
for Construction and Demolition Operations

Safety Requirements for Temporary and Portable Space Heating Devices

Secretariat

American Society of Safety Engineers
1800 East Oakton Street
Des Plaines, Illinois 60018-2187
(847) 699-2929 • www.asse.org

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American National Standards Institute, Inc.

American National Standard

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Foreword

(This Foreword is not a part of American National Standard A10.10-1998 (R2004).)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor, and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

A10.2 Safety, Health, and Environmental Training (under development)
A10.3 Powder-Actuated Fastening Systems
A10.4 Personnel Hoists and Employee Elevators
A10.5 Material Hoists (under development)
A10.6 Demolition Operations
A10.7 Transportation, Storage, Handling, and Use of Commercial Explosives and Blasting Agents
A10.8 Scaffolding
A10.9 Concrete and Masonry Construction
A10.10 Temporary and Portable Space Heating Devices
A10.11 Personnel and Debris Nets
A10.12 Excavation
A10.13 Steel Erection
A10.15 Dredging
A10.16 Tunnels, Shafts, and Caissons
A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
A10.18 Temporary Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
A10.19 Pile Installation and Extraction Operations (under development)
A10.20 Ceramic Tile, Terrazzo, and Marble Work
A10.21 Proper Cleaning and Disposal of Contaminated Work Clothing
A10.22 Rope-Guided and Nonguided Workers' Hoists
A10.23 Back Injury Prevention Programs (under development)
A10.24 Roofing (under development)
A10.25 Sanitation in Construction (under development)
A10.26 Emergency Procedures for Construction Sites (under development)
A10.27 Hot Mix Asphalt Facilities
A10.28 Work Platforms Suspended from Cranes or Derricks
A10.29 Aerial Lifts in Construction (under development)
A10.30 Workplace Security
A10.31 Digger-Derricks
A10.32 Fall Protection Systems for Construction Industry Users
A10.33 Safety and Health Program Requirements for Multi-Employer Projects
A10.34 Public Protection
A10.35 High Pressure Hydro Blasting (under development)
A10.36 Railroad Construction Safety (under development)
A10.37 Debris Nets
A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
A10.39 Construction Safety and Health Audit Program
A10.40 Ergonomics in Construction (under development)
A10.41 Equipment Operator and Supervisor Qualifications and Responsibilities (under development)
A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
A10.43 Confined Spaces in Construction (under development)
A10.44 Lockout/Tagout in Construction (under development)
A10.45 Disaster Response Preparedness for Construction Workers (under development)
A10.46 Hearing Loss Prevention (under development)
A10.47 Highway Construction Safety (under development)
A10.48 Communication Tower Erection (under development)

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.

Revisions: The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant paragraph number(s), the proposed wording, and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more timely manner.

Interpretations: Upon a request in writing to the Secretariat, the A10 Committee will render an interpretation of any requirement of the standard. The request for interpretation should be clear, citing the relevant paragraph number(s) and phrased as a request for a clarification of a specific requirement. Oral interpretations are not provided.

No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.

Approval: Neither the A10 Committee nor American National Standards Institute (ANSI) "approves," "certifies," "rates," or "endorses" any item, construction, proprietary device, or activity.

Appendixes: Appendixes are included in most standards to provide the user with additional information related to the subject of the standard. Appendices are not part of the approved standard.

Committee Meetings: The A10 Committee meets twice a year. Persons wishing to attend a meeting should contact the Secretariat for information.

Standard Approval: This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time this standard was published, the A10 Committee had the following members:

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James Tomaseski, Vice Chairman
Timothy R. Fisher, Secretary CSP, ARM, CPEA
Patrick J. Arkins, Assistant Secretary

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ZBD Constructors (Zurn Industries)	Greg Thompson
	Jeffrey D. Meddin, CSP, CHCM

Subgroup A10.10 had the following members:

E. Ross Curtis, P.E. (Chairman)
Jack Buttrum (Liaison)
John O'Burke
John Gonzalez
Wayne Rice

Contents

AMERICAN NATIONAL STANDARD A10.10
SAFETY REQUIREMENTS FOR TEMPORARY AND PORTABLE SPACE HEATING

1. GENERAL

1.1 Scope. This standard provides minimum safety requirements for the selection, installation, operation and maintenance of space heating devices and equipment of temporary and portable design. It covers the heater unit and its integral parts through to their connection for fuel, but does not cover separate supply tanks or valving.

1.2 Purpose. The purpose of this standard is to furnish guidance for the selection, installation, operation and maintenance of temporary and portable space heating devices and equipment used in construction operations in order to protect against personal injury and property damage.

1.3 Exceptions. In cases of practical difficulties, new developments, or unnecessary hardship, the regulatory authority having jurisdiction may grant exceptions to the literal requirements of this standard or permit the use of other devices or methods, but only when it is clearly evident that equivalent protection is provided.

2. REFERENCES

2.1 American National Standards. When the following standards are superseded by a revision approved by the American National Standards Institute, the revision shall apply:

American National Standard for the Installation of Oil Burning Equipment, ANSI/NFPA 31-1987

American National Standard for the Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58-1986

American National Standard National Electrical Code, ANSI/NFPA 70-1987

American National Standard for the Installation of Gas Appliances and Gas Piping, ANSI Z223.1-1984

2.2 Other References.

Standard for Safeguarding Building Construction and Demolition Operations, NFPA 241-1986. Quincy, MA.: National Fire Protection Association, 1986.

Threshold Limit Values of Airborne Contaminants. (Latest copy).

American Conference of Governmental Industrial Hygienists, 6500 Glenway Ave., Bldg. D7, Cincinnati, Ohio 45211.

3. DEFINITIONS

In this standard the following definitions shall apply:

3.1 Approved. Accepted as satisfactory by a duly constituted administrative or regulatory authority.

3.2 Authority. The governmental agency, office or individual responsible for the equipment, installation or procedure.

3.3 Automatic flame loss device. An automatic safety control intended to prevent abnormal discharge of fuel (oil or gas) at the burner in case of ignition failure or flame failure.

3.4 Confined space. Defined as any space having a limited means of egress, which is subject to the accumulation of toxic, flammable or explosive contaminants or is subject to oxygen deficient atmosphere.

3.5 Equivalent. Denotes alternative designs or features that provide an equal degree of safety.

3.6 Liquefied petroleum gas (LPG). Includes any material that is composed predominantly of hydrocarbons, or a mixture thereof, particularly propane, propylene, butances (normal butane or isobutene), and butylenes.