



ANSI Z83.26-2014 • CSA 2.37-2014
(reaffirmed 2019)

Gas-fired outdoor infrared patio heaters



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Gas-fired outdoor infrared patio
heaters



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IGAC

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Contents

Canadian Technical Committee on Gas Appliances and Related Accessories	3
Interprovincial Gas Advisory Council (IGAC)	5
Z21/83 Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories	7
Z83/CSA Joint Subcommittee on Gas-Fired Infrared Radiant Heaters	10
Preface	14
1 Scope	16
2 Reference publications	17
3 Definitions	20
4 Construction	27
4.1 General construction	27
4.2 Assembly	28
4.3 Accessibility	29
4.4 Materials	29
4.5 Joints in heating elements	32
4.6 Main burners	32
4.7 Combustion air control	33
4.8 Orifices and orifice fittings	34
4.9 Ignition systems	35
4.10 Automatic pilot igniters	37
4.11 Pilot gas filters	37
4.12 Gas supply lines	37
4.13 Fixed fuel piping systems	40
4.14 Self-contained LP-gas supply systems	41
4.15 Enclosures for self-contained LP-gas supply systems	45
4.16 Manual valves	45
4.17 Gas appliance pressure regulators	47
4.18 Automatic valves	47
4.19 Adjustment of minimum input rating	48
4.20 Instructions	48
4.21 Marking	53
5 Performance	57
5.1 General	57
5.2 Test gases	58
5.3 Test pressures and burner adjustments	59
5.4 Combustion	60
5.4.3 Power burners	61
5.5 Burner operating characteristics	62

5.6	Pilot burners and safety shutoff devices	63
5.7	Direct ignition systems	65
5.8	Automatic pilot igniters	67
5.9	Manual ignition systems	69
5.10	Non-load-bearing flue gas baffle temperatures	69
5.11	Allowable heating element and load-bearing flue gas baffle temperatures	70
5.12	Wall, floor, and ceiling temperatures	71
5.13	Component; handle and knob; tubing and fittings; and electrical equipment and wiring temperatures	71
5.14	Burn hazard and clothing ignition potential	76
5.15	Manifold and control assembly capacity	80
5.16	Rain test	81
5.17	Wind test	82
5.18	Manual valves	83
5.19	Appliance stability	86
5.20	Marking material adhesion and legibility	86

6 Manufacturing and production tests 87

Annex A (normative)	— LP-gas cylinder label	89
Annex B (normative)	— Items unique to the United States	91
Annex C	— Items unique to Canada	103
Annex D	— Type size and vertical spacing between lines	107
Annex E	— Pertinent references to ANSI Y14.15	108
Annex F	— Wire color designations	109
Annex G	— Recommended wire color usage	110
Annex H	— Preferred graphic symbols of commonly used items, extracted from standard ANSI/IEEE 315, Graphic symbols for electrical and electronics diagrams, and abbreviations for those items	111
Annex I	— Table of conversion factors	113

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Preface

This is the second edition of ANSI Z83.26 • CSA 2.37, *Gas-fired outdoor infrared patio heaters*. It supersedes the previous edition published in 2007.

This Standard was prepared by the Z83/CSA Joint Technical Advisory Group on Standards for Gas-Fired Infrared Radiant Heaters, under the jurisdiction of the Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories and the Strategic Steering Committee on Standards for Gas Appliances and Related Accessories, and had been formally approved by the Technical Committee(s), American National Standards Institute, and the Interprovincial Gas Advisory Council.

Interpretations: The Strategic Steering Committee on Standards for Gas Appliances and Related Accessories has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA’s procedures for interpretation shall be followed to determine the intended safety principle.”

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History of the development of standard for gas-fired outdoor infrared patio heaters

Note: *This History is informative and is not part of the standard.*

With the onset of the Free Trade Agreement between the United States and Canada on January 2, 1988, significant attention was given to the harmonization of the United States and Canadian safety standards addressing gas-fired equipment for residential, commercial and industrial applications. It was believed that the elimination of the differences between the standards would remove potential trade barriers and provide an atmosphere in which North American manufacturers could market more freely in the United States and Canada. The harmonization of these standards was also seen as a step toward harmonization with international standards. Joint subcommittees were established to facilitate the standards harmonization process between the United States and Canada.

The draft harmonized standard was based on coverage from the CSA International Requirement 5.90 For Gas-Fired Infrared Patio Heaters.

During its August 22, 2006 meeting, the Z83/CSA Joint Technical Advisory Group (TAG) on Standards for Gas-Fired Infrared Radiant Heaters approved the first draft harmonized standard for gas-fired outdoor infrared patio heaters, ANSI Z83.26 • CSA 2.37, for distribution for review and comment.

Following reconsideration and modification of the proposed draft standard, in light of comments received, the joint TAG, at its December 5, 2006 meeting, recommended the proposed draft standard to the Z21/83 Committee and the CSA Technical Committee for approval.

The proposed draft harmonized standard for gas-fired outdoor infrared patio heaters was approved by the Z21/83 Committee on June 27, 2007, and by the CSA Technical Committee on April 19, 2007.

The first edition of the Standard for Gas-Fired Outdoor Infrared Patio Heaters, Z83.26 • CSA 2.37 was approved by the Canadian Interprovincial Gas Advisory Council on September 14, 2007 and by the American National Standards Institute, Inc., on July 23, 2007.

The second edition of the Standard for Gas-Fired Outdoor Infrared Patio Heaters, Z83.26 • CSA 2.37 was approved by the Canadian Interprovincial Gas Advisory Council on May 29, 2014 and by the American National Standards Institute, Inc., on June 9, 2014.

The following identifies the designation and year of the second edition of the standard:

ANSI Z83.26-2014 • CSA 2.37-2014

ANSI Z83.26-2014 • CSA 2.37-2014

Gas-fired outdoor infrared patio heaters

1 Scope

1.1

This Standard applies to newly produced gas-fired outdoor infrared patio heaters (see Clause 3, Definitions) hereinafter referred to as heaters or appliances, constructed entirely of new, unused parts and materials.

Patio heaters are for use with:

- a) natural gas; and
- b) liquefied petroleum (propane) gases.

1.2

The heaters covered by this Standard are intended for installation in and heating of residential or nonresidential spaces (see Clause 3, Definitions).

1.3

Infrared patio heaters may be suspended overhead, angle mounted overhead, wall mounted, floor mounted, or for tabletop use.

1.4

Patio heaters intended for tabletop use shall be limited to input ratings of 15,000 Btu/hr (4 396 W) or less.

1.5

Infrared patio heaters may be for connection to:

- a) a fixed fuel piping system operating at inlet gas pressures not exceeding 1/2 psi (3.5kPa); or
- b) an integral self-contained liquefied petroleum (propane) gas supply system, provided the appliance incorporates mounting means for the attachment of a maximum of one cylinder limited to a maximum of 20 lb (9.1 kg) of fuel operating at regulated outlet:
 - i) pressure not exceeding 11 in wc (2.74 kPa); or
 - ii) pressures in excess of 11 in wc (2.74 kPa) but not greater than 5 psi (34.5 kPa).

1.6

Clause 2 contains a list of standards specifically referenced in this Standard and sources from which these reference standards may be obtained.

1.7

If a value for measurement as given in this Standard is followed by an equivalent value in other units, the first stated value is to be regarded as the specification.

This Standard contains SI (Metric) equivalents to the yard/pound quantities, the purpose being to allow the standard to be used in SI (Metric) units. (IEEE/ASTM-SI-10 is used as a guide in making metric