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CSA/ANSI LC 4:22 • CSA 6.32:22
National Standard of Canada
American National Standard

Press-connect metallic fittings and valves for use in fuel gas distribution systems

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National Standard of Canada
American National Standard

CSA/ANSI LC 4:22 • CSA 6.32:22

Press-connect metallic fittings and valves for use in fuel gas distribution systems

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Preface

This is the third edition of CSA/ANSI LC 4 • CSA 6.32, *Press-connect fittings and valves for use in fuel gas distribution systems*. It supersedes the previous editions published in 2012 and 2007 and addenda A in 2013.

This new edition includes an update to the title, revision to Clause 4.3. c) and a revision to 5.2.2.1 to clarify valve position.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the ANSI/CSA Joint Subcommittee on Standards for Press-Connect Type Metallic Alloy Fittings for use with Fuel Gas Tubing, under the jurisdiction of the Technical Committee on Performance and Installation of Gas Burning Appliances and Related Accessories, the Technical Committee on Gas Appliances and Related Accessories, and the Strategic Steering Committee on Standards for Fuel Burning Equipment, and has been formally approved by the Technical Committees and the Interprovincial/Territorial Gas Advisory Council.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

This Standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

Interpretations: The Strategic Steering Committee on Standards for Fuel Burning Equipment 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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1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
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   d) *rationale for the change.*

CSA/ANSI LC 4:22 • CSA 6.32:22
Press-connect metallic fittings and valves for use in fuel gas distribution systems

1 Scope

1.1
This Standard applies to metallic (copper, steel, stainless steel, and malleable iron) press-connect type fittings, and valves (hereafter referred to as fittings unless otherwise specified) for use with fuel gas systems intended for installation above ground, below ground, indoors, and outdoors.

1.2
This Standard applies to fuel gas systems rated for operating pressures not exceeding 125 psi (862 kPa).

1.3
This Standard applies to fittings intended for use with fuel gas systems 3/8 in through 4 in nominal size.

1.4
Fittings and other components complying with the provisions of this Standard shall be considered as having an ambient temperature range of minus 40 °F (−40 °C) to 180 °F (82.2 °C).

1.5
This Standard includes requirements to establish the suitability for use in concealed locations (see Clause 3).

1.6
In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.7
If a value for measurement as given in this Standard is followed by an equivalent value in other units,