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(reaffirmed 2019) •
CSA 9.1-2009
(reaffirmed 2019)

**American National Standard/CSA Standard for
Manually Operated Gas Valves For Appliances,
Appliance Connector Valves And Hose End Valves**



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ANSI Z21.15-2009

CSA STANDARD
CSA 9.1-2009

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Contents

Page

Part I Construction

1.1	Scope	1
1.2	General	2
1.3	Dimensions	2
1.4	Seating Means	3
1.5	Valve Stems And Handles	3
1.6	Valve Stops And Latches	4
1.7	Appliance Connector Valves	4
1.8	Strength	5
1.9	Materials	9
1.10	Assembly	9
1.11	Marking	9

Part II Performance

2.1	General	11
2.2	Leakage	11
2.3	Capacity	12
2.4	Continued Operation	15
2.5	Low Temperature Operation	16
2.6	Performance Test For Gas Burner Valves Having Non-displaceable Valve Members	17
2.7	Adequacy Of Seating Means	18
2.8	Performance Of Pilot Shut-off Devices	18
2.9	Gripping Properties Of Nozzles On Hose End Valves Not Intended For Permanent Connection	19
2.10	Marking Material Adhesion And Legibility	19

Tables

Table I	Minimum Distance From Inlet To Any Shoulder At End Of Thread	22
Table II	Inlet And Outlet Connections Of Appliance Connector Valves	22
Table III	Load For Bending Moment Test	23
Table IV	Torques For Turning Effort Test	23
Table V	Impact, Foot-Pounds (J)	24
Table VI	24
Table VII	Marking Symbols For Appliance Connector Valves	24
Table VIII	Minimum Capacities For Appliance Connector Valves	24
Table IX	Torque Or Force Limits And Number Of Cycles For Continued Operation	25
Table X	Torque Or Force Limits For Low Temperature Test	26

Figures

Figure 1.	Acceptable Dimensions For Special Threads And Working Gauges For Their Measurements	28
Figure 2.	Standard Hose-End Nozzle	29
Figure 3.	Appliance Connector Valve With Non-Displaceable Valve Member	29
Figure 4.	Pendulum-Type Impact Machine Used For Testing Gas Valves	30

Contents (Continued)

	Page
Figure 5. Performance Test For Gas Burner Valves Having Non-Displaceable Valve Members	31
EXHIBIT A List Of Reference Standards	33
Part III Manufacturing And Production Tests	35
Part IV Definitions	37
APPENDIX A Table Of Conversion Factors	39

Note

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 or CAN/CSA Z234.1 are used as a guide in making metric conversion from yard/pound quantities.) If a value for a measurement and an equivalent value in other units, the first stated is to be regarded as the requirement. The given equivalent value may be approximate. If a value for a measurement and an equivalent value in other units, are both specified as a quoted marking requirement, the first stated unit, or both shall be provided.

American National Standard/CSA Standard For Manually Operated Gas Valves For Appliances, Appliance Connector Valves And Hose End Valves

Part I: Construction

1.1 Scope

1.1.1

This standard applies to manually-operated gas valves (see Part IV, Definitions), hereinafter referred to as valves, not exceeding 4 in (102 mm) pipe size, and pilot shut-off devices (see Part IV, Definitions), hereinafter referred to as devices. Except for hose end valves not intended for permanent connection to a hose, and appliance connector valves, these valves and devices are intended to be used as part of a gas-fired appliance.

This standard does not apply to valves intended for use in building piping systems.

1.1.2

Valves and devices shall be constructed entirely of new unused parts and materials.

1.1.3

This standard applies to valves and devices for use with natural, manufactured and mixed gas, liquefied petroleum (LP) gases and LP gas-air mixtures at pressures not in excess of $\frac{1}{2}$ psi (3.45 kPa).

1.1.4

Valves and devices covered by this standard shall be capable of operation at ambient temperatures of 32°F (0°C) to 125°F (51.5°C). They shall also be capable of operation at a higher temperature, a lower temperature, or both when so specified by the manufacturer (see 2.1.2).

1.1.5

A valve may be an individual valve or may be incorporated as part of a device which includes other means to control main burner gas. A component(s) of such a device performing a function other than that covered by this standard shall comply with the applicable American National Standard(s) or Canadian Standard(s).

1.1.6

Compliance with this standard does not imply that such valve or device is acceptable for use on gas appliances without supplemental tests with the valve or device applied to the particular appliance design.

1.1.7

If a valve 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.