



**ANSI Z21.78-2010**  
*(reaffirmed 2020)* •  
**CSA 6.20-2010**  
*(reaffirmed 2020)*

## **American National Standard/CSA Standard for Combination Gas Controls For Gas Appliances**



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# ***Revision History***

**ANSI Z21.78-2010 • CSA 6.20-2010, American National Standard/CSA Standard for Combination Gas Controls For Gas Appliances**

<b>Update No. 1 — February 2021</b>	<b>Revision symbol (in margin)</b>
Clauses 1.4, 1.5.2, 1.11.4, and 2.13.4 Tables III, IV, V, and VI Figure 1	①

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### 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. (*Standard for use of the International System of Units (SI): The Modern Metric System, IEEE/ASTM SI 10 or Metric Practice Guide, 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 Combination Gas Controls For Gas Appliances***

## ***Part I: Construction***

### **1.1 Scope**

#### **1.1.1**

This standard applies to newly produced combination gas controls (see Definitions, Part IV), hereinafter referred to as controls, constructed entirely of new, unused parts and materials.

#### **1.1.2**

The combination control may include other functions such as pilot gas filters, pressure switches, etc., which shall be of an approved type (see Definitions, Part IV), or shall be investigated as an integral part of the combination control for construction and performance equivalent to an approved type.

A control which incorporates two or more automatic valves and no other function, (as defined by combination control, see Definitions, Part IV), may be tested to this Standard or *Automatic Valves for Gas Appliances, Z21.21 • CSA 6.5*, at the discretion of the manufacturer.

#### **1.1.3**

Compliance of a combination control with this standard does not imply that the combination control is acceptable for use on gas appliances without supplemental tests with the combination control applied to the particular appliance design.

#### **1.1.4**

This standard applies to combination controls having a maximum operating gas pressure of  $1/2$  psi (3.5 kPa) with one or more of the following fuel gases: natural, manufactured, mixed, liquefied petroleum and liquefied petroleum gas-air mixtures.

#### **1.1.5**

This standard applies to combination controls which are capable of operation in ambient temperatures of 32°F (0°C) to 125°F (51.5°C), unless a higher temperature, lower temperature or both, are specified by the manufacturer.

#### **1.1.6**

Exhibit A, Items Unique to the United States, contains items unique to the United States.

#### **1.1.7**

Exhibit B, Items Unique to Canada, contains items unique to Canada.

#### **1.1.8**

Exhibit C, List of Reference Standards, specifically referenced in this standard, and sources from which these reference standards may be obtained.