



**Summary of Substantive Changes  
between the 2012 and 2022 Editions of  
ANSI LC 4/CSA 6.32 “Press-connect metallic fittings for use in fuel gas  
distribution systems”**

**Presented to the IAPMO Standards Review Committee on March 13, 2023**

**General:** The changes to this standard will not have an impact on currently listed products. The updates are clarification in Section 4.3 and Section 5.2.

Section 4, Construction:

**4.3 Valves**

*Gas valves with press-connect type fitting ends shall comply with the applicable provisions of one or all of the following standards:*

- a) ASME B16.44;
- b) ASME B16.33; or
- c) [ASME B16.38](#).

*Exception: Axial strength, torsion, bending strength, and impact strength testing values shall be in accordance with Clauses 5.4, 5.5, 5.6 and 5.7 (Tables 1 and 2) of this Standard.*

*[Valves shall comply with Clauses 5.2, 5.8 to 5.11, 5.12, and 5.13 of this Standard.](#)*

*~~(d) Valves shall comply with sections 5.2 Leakage; 5.8, Resistance to Loosening; 5.9, Resistance to Extreme Temperature Cycles; 5.10, Resistance to Freezing and Thawing; 5.11, Susceptibility of copper and copper alloy assemblies to Stress Corrosion Cracking; 6.12, Exposure to Elevated Temperatures; and 6.13, Non-Metallic Materials, of this standard.~~*

Section 5, Performance:

**5.2 Leakage**

**5.2.1 General**

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**5.2.2 Method of test**

**5.2.2.1**

*A system of tube/pipe and fittings shall be assembled by joining the components according to the manufacturer's installation instructions. This test assembly shall consist of two of each representative size and type of fitting and not less than 6 in (152 mm) of tube/pipe [and valves shall remain open during testing](#). The outlet(s) of the test assembly shall be sealed, and the inlet shall be connected to a pneumatic system capable of supplying clean, dry air or nitrogen at a test pressure of 1.5 times the specified pressure rating and to a flow measuring device capable of accurately indicating the allowable leakage rate. The flow measuring device shall be located between the air supply and the inlet of the tubing/piping system. Air or nitrogen shall be admitted to the test assembly and maintained at 1.5 times the rated pressure for 1 min, after which the leakage rate shall be measured. The observed leakage rate, corrected to standard conditions of 30 in ~~mercury~~ [Hg \(762 mm\)](#) column pressure and 60 °F (15.5 °C), shall not exceed [0.704 fl oz/h](#) (20 cm<sup>3</sup>/hr).*