



VARIANCE

June 1, 2021

Subject:

VIEGA MegaPress fittings with a Nominal Pipe Size (NPS) 2½" - 4" installed in a natural gas or propane distribution system. (SPV-005)

Background

This variance is issued under the authority of the Safety Codes Act, Chapter S-1 Section 38(1) for VIEGA MegaPress fittings with a Nominal Pipe Size (NPS) of two and a half inches but not exceeding four inches to be installed in a natural or propane gas system.

Standing Posted Variance – SPV-005 applies to:

Piping and tubing systems extending from the termination of the utility installation or from the distributor's propane tank.

Applicable regulatory requirements

CSA B149.1-20 Natural Gas and Propane Installation Code, Clause 6.9 - Joints and connections.

CSA B149.1-20, Clause 6.9.2

Piping of NPS 2-1/2 and over shall have welded pipe joints.

Reason for the variance

The purpose of this variance is to recognize the CSA B149.1 committee's decision to accept a motion of change to CSA B149.1, Clause 6.9.2. The accepted change specifically indicates that pipe with an NPS of 2 ½" to 4" shall be either press connect fittings or welded pipe joints, indicating that press connections are equal to welded connections. The accepted change will be included in the CSA B149.1-25 Natural Gas and Propane Installation Code.

Verification of equivalency

CSA B149,1-20, Clause 6.2.2(b)

A fitting used with steel pipe shall be

- a) either malleable iron or steel and shall comply with the material selection requirements of CSA Z662 or the applicable ASME B16 series of standards; or
- b) certified to ANSI LC-4/CSA 6.32.

CSA 6.32 / ANSI LC4.

VIEGA MegaPress fittings are certified to CSA 6.32 / ANSI LC4, with a specific set of performance requirements for press fittings to be used in a gas system up to 125psi (including concealed spaces).

This variance is based on the following:

The CSA B149.1 Natural Gas and Propane Installation Code committee's accepted change to clause 6.9.2. Piping of NPS 2 ½" to 4" shall be either press connect fittings certified to CSA 6.32/ANSI LC-4 or welded pipe joints. Piping greater than 4" shall be welded.

Address

This variance shall be applicable to the address of the gas permit.

Authority and conditions

Under the authority of Section 38 of the Safety Codes Act, Chapter S-1 of the Statutes of Alberta 2000, this variance is granted based on:

- the owner/contractor acknowledging the authority under which the variance is issued
- the owner/contractor ensuring that the project is carried out as outlined in this variance

Note:

Non-compliance with the requirements of this variance is an offence under the Alberta Safety Codes Act

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