

AS 4621:2019 Regulator for use with liquefied petroleum — Vapour phase

Amendment No. 2

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 21 February 2024

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Summary

This Amendment applies to the following elements:

- Clause 3.4.2
- Clause B.15.5

Amendment Details

AS 4621:2019 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
CI 3.4.2	<i>Delete</i> clause text and <i>replace</i> with the following: For an adjustable pressure regulator, the outlet pressure shall remain within $\pm 25\%$ of the outlet pressure setting when — (a) the regulator is set at the mechanical centre of the adjustment range; and (b) the temperature is varied between $-20\text{ }^{\circ}\text{C}$ and the manufacturer's maximum temperature, or $60\text{ }^{\circ}\text{C}$, whichever is higher. For a non-adjustable pressure regulator, the temperature is varied between — (i) $-20\text{ }^{\circ}\text{C}$; and (ii) the manufacturer's maximum temperature or $60\text{ }^{\circ}\text{C}$, whichever is higher. The outlet pressure shall remain within $\pm 25\%$ of the manufacturer's nominal outlet pressure setting. Conformance shall be assessed by testing in accordance with the method in Clause B.15.
CI B.15.5	<i>Delete</i> clause text and <i>replace</i> with the following: The preparation shall be as follows: (a) For an adjustable pressure regulator, set the regulator adjustment at the mechanical centre of the adjustment range. (b) Place the regulator in the constant temperature enclosure and connect to the test rig as shown in Figure A.3. (c) Bring the temperature-controlled enclosure to $20\text{ }^{\circ}\text{C}$ and maintain that temperature.

Element**Instruction/New text**

- (d) For an adjustable pressure regulator, at an inlet pressure of 1 000 kPa for a high pressure or single stage regulator, or 90 kPa for a second stage regulator, set the control valve to 50 % of maximum flow and determine the outlet pressure.
- (e) For a non-adjustable pressure regulator, at an inlet pressure of 1 000 kPa for a high pressure or single stage regulator, or 90 kPa for a second stage regulator, set the control valve to 50 % of maximum flow.

NOTE: The manufacturer's declared pressure is the reference outlet pressure.