

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 1271—2003
Safety valves, other valves, liquid level gauges and other fittings for boilers and unfired pressure vessels

CORRECTION

The 2003 edition of AS 1271 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Appendix F, Paragraphs F3, F4.1 and F4.2 and Appendix G, Paragraph G2.

Published on 15 July 2004.

Page 38 Paragraph F3

- 1 *Delete* Equation F4 and *replace* with the following:

$$q_m = 5.25 \alpha A p K_{sh} \quad \dots (F4)$$

- 2 *Delete* ‘ P = actual relieving pressure, in megapascals absolute’ and *replace* with the following:

$$p = \text{actual relieving pressure, in megapascals absolute}$$

- 3 *Add* new definition to existing list as follows:

$$A = \text{Minimum flow area through discharge systems, in square millimetres}$$

Page 47 Paragraph F4.1

- 1 *Delete* Equation F6 and *replace* with the following:

$$\frac{p_b}{p} \leq \left(\frac{2}{\chi + 1} \right)^{\chi / (\chi - 1)} \quad \dots (F6)$$

- 2 *Delete* Equation F7 and *replace* with the following:

$$\frac{p_b}{p} > \left(\frac{2}{\chi + 1} \right)^{\chi / (\chi - 1)} \quad \dots (F7)$$

- 3 *Delete* ‘ P_b = Backpressure, in megapascals absolute’ and *replace* with the following:

$$p_b = \text{Backpressure, in megapascals absolute}$$

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Page 47 Paragraph F4.2

- 1 *Delete* Equation F8 and *replace* with the following:

$$q_m = 0.9117C \alpha A \left(\frac{p}{\nu} \right)^{1/2} \dots (F8)$$

- 2 *Delete* Equation F9 and *replace* with the following:

$$q_m = 10C \alpha Ap \left(\frac{M}{TZ} \right)^{1/2} \dots (F9)$$

- 3 *Delete* Equation F10 and *replace* with the following:

$$q_m = 0.9117CK_b \alpha A \left(\frac{p}{\nu} \right)^{1/2} \dots (F10)$$

Page 48 Paragraph F4.2

- 1 *Delete* ‘ P = Relieving pressure, in megapascals absolute’ and *replace* with the following:

$$p = \text{Relieving pressure, in megapascals absolute}$$

- 2 *Delete* ‘ P_b = backpressure, in megapascal absolute’ and *replace* with the following:

$$p_b = \text{backpressure, in megapascals absolute}$$

Page 53 Paragraph G2

Delete Equation G1 and *replace* with the following:

$$Z = 10^6 \frac{pvM}{RT} \dots (G1)$$
