
**Industrial valves — Measurement,
test and qualification procedures for
fugitive emissions —**

**Part 1:
Classification system and qualification
procedures for type testing of valves**

AMENDMENT 1

*Robinetterie industrielle — Mesurage, essais et modes opératoires de
qualification pour émissions fugitives —*

*Partie 1: Système de classification et modes opératoires de
qualification pour les essais de type des appareils de robinetterie*

AMENDEMENT 1



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This document was prepared by Technical Committee ISO/TC 153, *Valves*.

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Part 1: Classification system and qualification procedures for type testing of valves

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Page 3, 3.15

Correct the definition as follows:

3.15

room temperature

temperature in the range of +5 °C to +40 °C, adjusted before the test

Pages 15 to 16, 6.4

Replace the text with the following:

The target temperature class shall be selected from [Table 5](#). If the test is carried out at any temperature other than those specified in [Table 5](#), the next lower class shall apply in case of the test temperature being above 40 °C, or the next higher class shall apply in case of the test temperature being below 5 °C.

If the test is carried out at any temperature other than those specified in [Table 5](#), the temperature shall be added in the marking after the class between brackets.

EXAMPLE If the test temperature is 100 °C, the valve is qualified at tRT and the marking is “tRT (100 °C)”.

Testing at alternative temperatures shall be subject to agreement between the manufacturer and the purchaser.

Table 5 — Temperature classes

(t-196 °C)	(t-46 °C)	(t-29 °C)	(tRT)	(t200 °C)	(t400 °C)
-196 °C to RT	-46 °C to RT	-29 °C to RT	+5 °C to +40 °C	RT to 200 °C	RT to 400 °C

All test temperatures shall be recorded in the test report.

- Test at -196 °C qualifies the valve in the range -196 °C up to RT.
- Test at -46 °C qualifies the valve in the range -46 °C up to RT.
- Test at -29 °C qualifies the valve in the range -29 °C up to RT.
- Test at RT qualifies the valve in the range +5 °C up to +40 °C.
- Test at 200 °C qualifies the valve in the range RT up to 200 °C.
- Test at 400 °C qualifies the valve in the range RT up to 400 °C.

To qualify a valve in the range $-46\text{ }^{\circ}\text{C}$ up to $200\text{ }^{\circ}\text{C}$, two tests are necessary. These tests may be done separately using the same valve with a new stem seal system or separate valves of the same design:

- the test at $-46\text{ }^{\circ}\text{C}$ qualifies the valve in the range $-46\text{ }^{\circ}\text{C}$ up to RT;
- the test at $200\text{ }^{\circ}\text{C}$ qualifies the valve in the range RT up to $200\text{ }^{\circ}\text{C}$.

Page 16, 6.6

Add the following:

EXAMPLE 4 If the test temperature is $100\text{ }^{\circ}\text{C}$:

Performance class: ISO FE BH (or BM) — C01 — SSA 1 — tRT ($100\text{ }^{\circ}\text{C}$) — PN 16 — ISO 15848-1