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# Pressure regulators and pressure regulators with flow-metering devices for medical gas systems

## TECHNICAL CORRIGENDUM 1

*Régulateurs de pression avec ou sans débitmètre pour systèmes de gaz médicaux*

*RECTIFICATIF TECHNIQUE 1*

Technical corrigendum 1 to International Standard ISO 10524:1995 was prepared by Technical Committee ISO/TC 121, *Anaesthetic and respiratory equipment*, Subcommittee SC 6, *Medical gas systems*.

Page 3

### Subclause 5.1

In the second paragraph, fourth line, replace "...mechanical thermal action..." with "...mechanical and thermal action..."

Page 4

Replace the existing figure 1 with the new figure 1, in which:

- the indication of item 11 Relief valve is corrected;
- the scale of the gauges is corrected from 360° to 270°;
- in c), the marking of the flow-gauge is corrected from kPa to l/min;
- the correction between the diaphragm and the pressure regulator valve is added.

Page 5

### Table 1

In column 5, last row, replace "system" with "systems".

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ICS 11.040.10

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**Descriptors:** medical equipment, gas supply, medical gases, pressure regulators, flowmeters, specifications, safety requirements, tests, marking, packaging, technical data sheets.

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Page 6

**Subclauses 7.5.1 and 7.5.2**

Replace "11.8.2 and 11.8.3" with "11.8.1 and 11.8.2".

Page 7

**Subclause 7.10**

Replace "11.5.1" with "11.5".

**Subclause 9.1.2**

In the second line, replace "...within + 10 %..." with "within  $\pm$  10 %..."

**Subclause 9.1.4**

Delete the subclause title and replace with "Mechanical resistance of flowmeter".

Page 8

**Subclause 9.2.1**

Replace "12.2" with "12.1.3".

Page 9

**Subclause 11.3.3**

Replace "...- 23 °C and +101,3 kPa" with "...23 °C and 101,3 kPa".

Page 10

**Subclause 11.5.1**

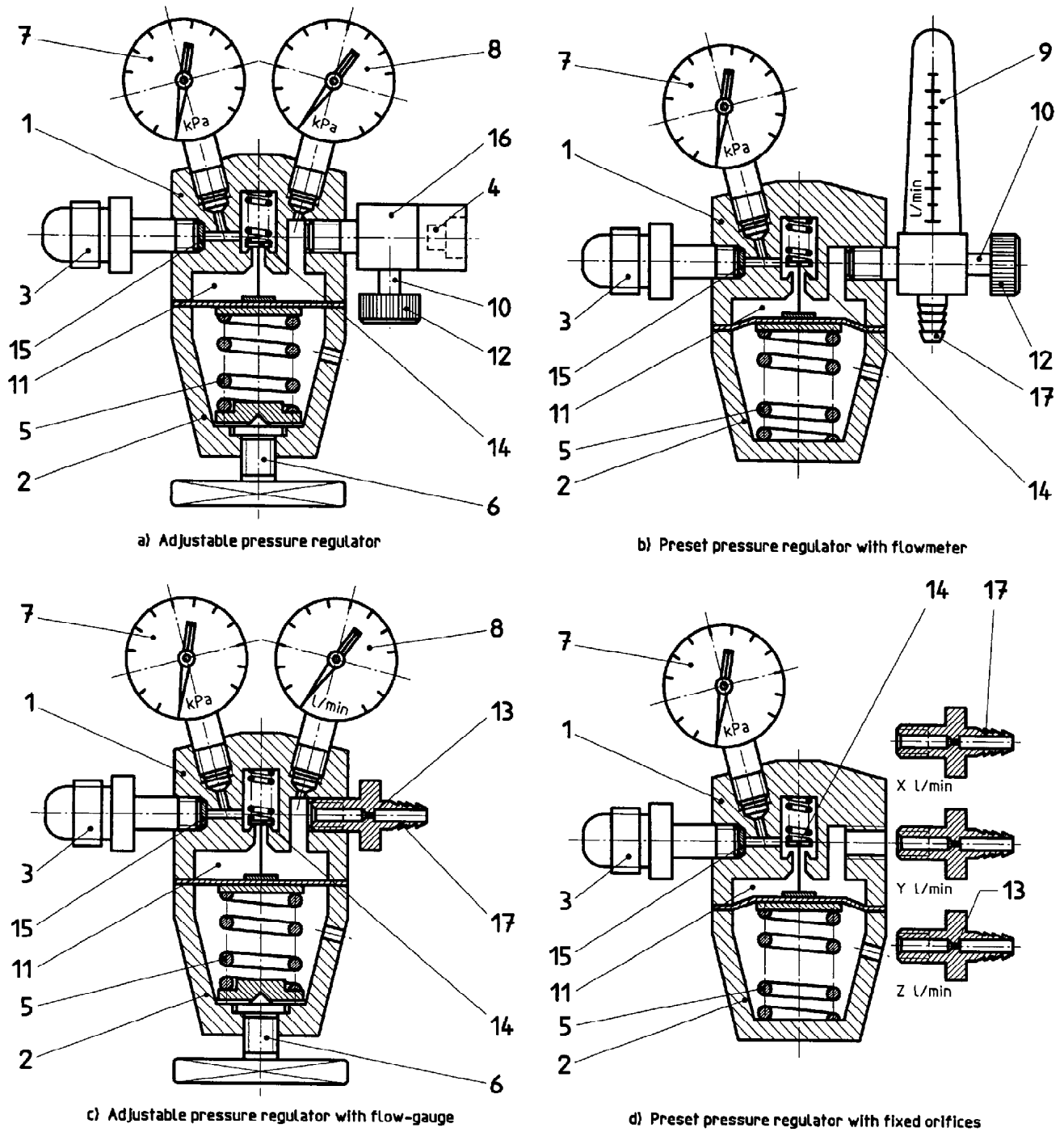
In the second line, replace "figure 3" with "figure 2".

Page 11

Replace existing figure 4 with the new figure 4, in which the relative positions of the two lower curves have been corrected and line 5 shortened.

Page 12

Replace existing figure 5 with the new figure 5, in which the labelling of the ordinate axis has been corrected and line 5 shortened.



**Key**

- |                              |                            |                             |
|------------------------------|----------------------------|-----------------------------|
| 1 Body                       | 7 HP gauge                 | 13 Fixed orifice            |
| 2 Cover                      | 8 LP gauge (or flow-gauge) | 14 Pressure regulator valve |
| 3 Inlet connector            | 9 Flowmeter                | 15 Inlet filter             |
| 4 Outlet connector           | 10 Valve spindle           | 16 Outlet valve             |
| 5 Pressure regulating spring | 11 Relief valve            | 17 Hose nipple              |
| 6 Adjusting device           | 12 Control knob            |                             |

**Figure 1 — Typical examples of pressure regulators**