DRAFT AMENDMENT

ISO 15002:2008/DAM 2

ISO/TC **121**/SC **6**

Secretariat: **ANSI**

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Flow-metering devices for connection to terminal units of medical gas pipeline systems

AMENDMENT 2

Dispositifs de mesure de débit pour raccordement aux prises murales des systèmes de distribution de gaz médicaux

AMENDEMENT 2

ICS: 11.040.10

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This document was prepared by Technical Committee ISO/TC *121 Anaesthetic and respiratory equipment* Subcommittee SC 6, *Medical supply systems.*

This second amendment amends ISO 15002:2008/Amd 1:2018 removes the text specified in amendment 1 and specifies that instead of the maximum flow, that can be delivered by the flow-metering device, being restricted that the maximum flow must be marked on the device.

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Flow-metering devices for connection to terminal units of medical gas pipeline systems

AMENDMENT 2

Add to **5.4.6.1 Scales and indicators**:

"Flowmeters that can be adjusted to provide flows greater than that indicated on the scale shall be clearly marked with the maximum flow that can be delivered at the specified pipeline pressure (see 7.1.1).

NOTE high flows can be dangerous for patients, particularly neonatal and paediatric patients.

Check compliance by visual inspection. "

Delete change 2 specified in amendment 1 i.e.

Remove:

2 Modification to 5.4.6.3 Accuracy of flow

The flow-metering device when the control valve is fully open shall not generate a flow higher than 3 l/min or 150% of the maximum flow specified by the manufacturer, whichever is higher.

Replace with:

Add to **5.4.7.1 Scale**

"**5.4.7.1.3** Flow control devices that can be adjusted to provide flows greater than that indicated on the scale shall be clearly marked with the maximum flow that can be delivered at the specified pipeline pressure (see 7.1.1).

NOTE high flows can be dangerous for patients, particularly neonatal and paediatric patients.

Check compliance by visual inspection."

Delete change 3 specified in amendment 1 i.e.

Remove:

3 Modification to 5.4.7.3 Accuracy of flow

The flow-metering device when the control valve is fully open shall not generate a flow higher than 3 l/min or 150% of the maximum flow specified by the manufacturer, whichever is higher.

Replace 5.4.8.3.2 and 5.4.8.3.3 with:

"**5.4.8.3.2** Flow controls for multiple orifice flow metering devices shall be designed so that they cannot be positioned between settings such that there is no flow.

Check compliance by functional testing."

"**5.4.8.3.3** It shall not be possible to set the flow control above the maximum setting.

Check compliance by functional testing."

Replace change 4 specified in amendment 1 i.e.

Remove:

4 Modification to 5.4.8.3.3

Add after the last sentence:

"If the flow-metering device is set between adjacent flow settings, it shall not generate a flow exceeding 50% of the flow of the upper that can be set.

Replace with

"If the flow-metering device is set between adjacent flow settings, it shall not generate a flow exceeding 150% of the flow of the higher of the adjacent settings.

Check compliance by functional testing."

Add to **7.1.1** an additional bullet point:

— "the maximum flow when the valve is fully open and the pressure at which this flow is determined."