

Subject 252

June 22, 2018

SUMMARY OF TOPICS

The following change in requirements to the Standard for Compressed Gas Regulators, UL 252, is being proposed:

1. Clarification of inlet and outlet fittings and adding propylene to the Volume Change and Weight Loss Tests.

STP BALLOTS AND ALL COMMENTS DUE: July 23, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Clarification of inlet and outlet fittings and adding propylene to the Volume Change and Weight Loss Tests.

RATIONALE

Proposal submitted by: Edgar Wolff-Klammer, UL LLC

PROPOSAL

CONSTRUCTION

8 Connections

8.1 A regulator intended for attachment to a gas storage cylinder shall be provided with an inlet connection that conforms with the Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections, CGA Pamphlet V-1, or, be of the manufacturer's own proprietary non-interchangeable gas-specific connection, for the gas involved and it is additionally marked in accordance with 21.1(e).

~~Exception: The inlet fittings may comply with the requirements of a Foreign National Standard for inlet fittings when the compressed gas regulator is tested in accordance with the applicable requirements in Sections 10 – 20 and it is additionally marked in accordance with 21.1(e).~~

8.7 The inlet and outlet fittings may comply with the requirements of a Foreign National Standard for inlet fittings when the compressed gas regulator is tested in accordance with the applicable requirements in Sections 10 – 20 and it is additionally marked in accordance with 21.1(e) and 21.4.

PERFORMANCE**15 Volume-Change and Weight-Loss Tests****15.1 General**

Table 15.1
Test liquids for synthetic-rubber materials

Gas in contact with part	Test liquid
LP-Gas	n-Hexane
Manufactured and Natural Fuel Gases	IRM 903 Oil (ASTM D471) and n-Hexane
Methylacetylene-Propadiene Stabilized (MPS)	Liquid MPS
<u>Propylene</u>	<u>Liquid Propylene</u>

MARKING**21 General**

21.3 Markings shall be legible and shall be metal stamped, molded in a casting, a decalcomania transfer, metal nameplate, or printed on a pressure-sensitive label complying with the Standard for Marking and Labeling Systems, UL 969.

Exception: ~~The marking required by 21.3 is not required to be permanent.~~

21.4 Regulators constructed using pipe thread in accordance with the Exception to 8.3 8.4 or fittings in accordance with 8.7 shall be provided with a tag, label, or similar marking on the product or smallest unit package, identifying the pipe thread type for the installer. This marking is not required to be permanent.

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