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SOUTH AFRICAN NATIONAL STANDARD

Single-stage regulators for liquefied petroleum gas (LPG)

Amdt 1

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Table of changes

Change No.	Date	Scope
Amdt 1	2007	Amended to change the title, add new detail to the scope, modify the introductory paragraph to normative references, update referenced standards, change and add definitions, include requirements for materials, design and construction of regulators, inspection and methods of test, modify the performance requirements for the set outlet pressure, flow rates and endurance, modify a formula and the requirements for marking, include instructions for the use and maintenance of regulators, and revise the annex on the installation and use of regulators.
Amdt 2	2012	Amended to modify the requirement for the minimum flow rate.

Foreword

This South African standard was approved by National Committee SABS TC 1019, *Gas supply, handling and control (fuel, industrial and medical gases)*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in March 2012.

This document supersedes SANS 1237:2007 (edition 3.1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 2.

Annex A forms an integral part of this document. Annexes B, C and D are for information only.

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Amdt 1

1 Scope

1.1 This standard specifies performance, safety and constructional requirements for low-pressure regulators of the single-stage type intended for use with liquefied petroleum gas mixtures in the vapour phase and designed for a set outlet pressure of 2,8 kPa and a flow not exceeding 10 kg/h.

1.2 With the exception of the design and construction requirements and gas tightness, the requirements of this standard do not apply to pressure regulators used with liquefied petroleum gas mixtures in the vapour phase and designed for an outlet pressure greater than 2,8 kPa. **Amdt 1**

NOTE 1 Unless otherwise stated, all pressures given in the standard are gauge pressures. **Amdt 1**

NOTE 2 Pressure regulators intended for use in welding, cutting and allied processes are not covered in this specification. See SANS 2503 for more detail. **Amdt 1**

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this standard. All normative documents are subject to revision and, since any reference to a normative document is deemed to be a reference to the latest edition of that document, parties to agreements based on this standard are encouraged to take steps to ensure the use of the most recent editions of the normative documents indicated below. Information on currently valid national and international standards can be obtained from the Standards SABS Division. **Amdt 1**

SANS 1109-1/ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads – Part 1: Dimensions, tolerances and designation.*

SANS 1156-2, *Hose for liquefied petroleum gas (LPG) – Part 2: Hose and tubing for use in LPG vapour phase and LPG-air installations.*

SANS 1306-1/ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads – Part 1: Dimensions, tolerances and designation.*

SANS 1774, *Liquefied petroleum gases.*

SANS 2503/ISO 2503, *Gas welding equipment – Pressure regulators for gas cylinders used in welding, cutting and allied processes up to 300 bar.* **Amdt 1**

SANS 7253/ISO 7253, *Paints and varnishes – Determination of resistance to neutral salt spray (fog).* **Amdt 1**