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SANS 10087-8:2010

Edition 2

SOUTH AFRICAN NATIONAL STANDARD

**The handling, storage, distribution and
maintenance of liquefied petroleum gas
in domestic, commercial and industrial
installations**

**Part 8: Filling containers for LP gas
operated fork lift vehicles in-situ**

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Table of changes

Change No.	Date	Scope

Foreword

This South African standard was approved by National Committee SABS SC 1019D, *Gas supply, handling and control (fuel and industrial gases) – Alternative gas fuels for automotive use*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in August 2010.

This document supersedes SABS 087-8:1976 (edition 1, reprinted in 1979).

Reference is made in 3.2.1 to "relevant legislation". In South Africa this means the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

Reference is made in 3.2.2 and clause 5 to "safety legislation". In South Africa this means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) (as amended from time to time).

SANS 10087 consists of the following parts, under the general title, *The handling, storage distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations*:

Part 1: Liquefied petroleum gas installations involving gas storage containers of individual water capacity not exceeding 500 L and a combined water capacity not exceeding 3 000 L per installation.

Part 2: Installations in mobile units and small non-permanent buildings.

Part 3: Liquefied petroleum gas installations involving storage vessels of individual water capacity exceeding 500 L.

Part 4: The transportation of LP gas including the design, construction, inspection, fittings, filling, maintenance and repair of LP gas bulk vehicles and rail tank cars.

Part 6: The application of liquefied petroleum and compressed natural gases as engine fuels for internal combustion engines.

Part 7: Storage and filling premises for refillable liquefied petroleum gas (LPG) containers of gas capacity not exceeding 9 kg and the storage of individual gas containers not exceeding 48 kg.

Part 8: Filling containers for LP gas operated fork lift vehicles in-situ.

Part 10: Mobile filling stations for refillable liquefied petroleum gas (LPG) containers of capacity not exceeding 9 kg.

Annex A is for information only.

Introduction

This standard is developed to accommodate the companies who fill fork lift containers at dedicated sites, including containers being filled in-situ.

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The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations

Part 8:

Filling containers for LP gas operated fork lift vehicles in-situ

1 Scope

1.1 This part of SANS 10087 covers the requirements for the filling of containers in-situ for LP gas operated fork lifts from fixed storage and filling equipment, including the siting and safe use of this equipment.

1.2 It does not cover safety precautions or the filling procedure for motor vehicles and stationary engines, which can be found in SANS 10087-3.

1.3 It does not cover the requirements for the single valve or any filling by mass of fork lift containers which is covered by the requirements given in SANS 10087-3.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

EN 1762, *Rubber hoses and hose assemblies for liquefied petroleum gas, LPG (liquid or gaseous phase), and natural gas up to 25 bar (2,5 MPa) – Specification.*

SANS 1186-1, *Symbolic safety signs – Part 1: Standard signs and general requirements.*

SANS 1825, *Gas container test stations – General requirements for periodic inspection and testing of transportable refillable gas containers.*

SANS 10019, *Transportable containers for compressed, dissolved and liquefied gases – Basic design, manufacture, use and maintenance.*

SANS 10400 (SABS 0400), *The application of the National Building Regulations.*

SANS 10086-1, *The installation, inspection and maintenance of equipment used in explosive atmospheres – Part 1: Installations including surface installations on mines.*

SANS 10087-1, *The handling, storage and distribution of liquefied petroleum gas in domestic, commercial, and industrial installations – Part 1: Liquefied petroleum gas installations involving gas*