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**SANS 10087-10:2012**

Edition 1.2

## **SOUTH AFRICAN NATIONAL STANDARD**

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

Amdt 1

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

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Published by SABS Standards Division  
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001  
Tel: +27 12 428 7911 Fax: +27 12 344 1568

[www.sabs.co.za](http://www.sabs.co.za)

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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2006	Amended to change the designation of SABS standards to SANS standards, to change the title and to update the list of parts in the foreword.
Amdt 2	2012	Amended to change location and functional requirements.

**Foreword**

This South African standard was approved by National Committee SABS TC 1019, *Gas supply, handling and control (fuel, industrial gases 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 10087-10:2006 (edition 1.1).

**This document is referenced in the incorporating of health and safety standards into the pressure equipment regulations of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).**

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:* **Amdt 1**

*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: Installation of LPG systems in mobile units, including but not limited to caravans, motor homes, park homes and mobile kitchens.* **Amdt 1**

*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 repairs 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 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.*

This standard was written in order to support a specific item of South African Regulation and, of necessity, includes references to South African Legislation. It therefore might not be suitable for direct application in other jurisdictions where conflicting legislation exists.

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

Amdt 1

### **Part 10:**

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

## **1 Scope**

**1.1** This part of SANS 10087 gives recommendations in respect of the location and operation of mobile filling stations suitable for the filling of refillable liquefied petroleum gas containers.

**1.2** It also gives certain design features in respect of the compliance of the trailer with the requirements of the road ordinance and general safety.

**1.3** It excludes the use of light delivery vehicles including light and heavy trucks.

## **2 Normative references**

The following standards contain provisions which, through reference in this text, constitute provisions of this part of SANS 10087. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this part of SANS 10087 are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

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

SANS 10087-4, *The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations – 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.*

SANS 10087-7, *The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations – 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.*

SANS 10108, *The classification of hazardous locations and the selection of apparatus for use in such locations.*