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SOUTH AFRICAN NATIONAL STANDARD

Non-pressure paraffin stoves and heaters

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Table of changes

Change No.	Date	Scope
Amdt 1	2012	Amended to modify the introduction, add the definitions for “tracer flame” and “nominally extinguished”, add a recommendation for filling, delete a subclause, update cross references, add a requirement for the performance and lifetime of burner, add a requirement for instructions and warnings, add and renumber subclauses, delete a subclause, add a requirement for shutting down the appliance and modify the requirements of fuel tightness test.

Foreword

This South African standard was approved by National Committee SABS TC 1054, *Paraffin-operated equipment*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in June 2012.

This document supersedes SANS 1906:2009 (edition 3).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

This document is referenced in the *Compulsory specification for non-pressure paraffin stoves and heaters*, as published by Government Notice No. R. 1091 (Government Gazette No. 29338) of 1 November 2006.

Introduction

About 2 million paraffin wick stove are sold annually in South Africa¹⁾, and find regular use in about 2.4 million homes²⁾. The stoves are associated with domestic fires, in door air pollution and asphyxiation with attendant burn injuries and property loss. The amendment to this standard is a further attempt by the national technical committee to reduce the risk of using the no-pressure paraffin stove. The amendment incorporates requirements that are intended to minimize the risks.

Amdt 1

1) Personal communication, Panda Stoves (Pty) Ltd.

2) Statistics, SA, Census 2001.

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Non-pressure paraffin stoves and heaters

1 Scope

This standard covers the requirements for the construction, operation and safe use of paraffin fuelled appliances primarily intended for domestic use with a gauge pressure close to the burner < 2 kPa.gauge and with a maximum heat rating of 4,5 kW for a single burner.

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.

SANS 1913, *Kerosene for domestic heating and illuminating*.

3 Definitions

For the purposes of this standard, the following definitions apply.

3.1

acceptable

acceptable to the authority administering this standard, or to the parties concluding the purchase contract, as relevant

3.2

appliance

paraffin-fuelled device used for cooking or heating

3.3

fail safe

property of a system or component whereby it automatically places itself in a safe operating mode in the event of a failure

3.4

rated power

power in kW at which the appliance is designed to operate at a stated altitude

3.5

tracer flame

flame which continues to burn on a wick after the appliance has nominally been extinguished

Amdt 1