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SOUTH AFRICAN NATIONAL STANDARD

The installation of pipes and appliances for use with natural gas

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Table of changes

| Change No. | Date | Scope |
|------------|------|-------|
| | | |

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 November 2011.

Reference is made in 3.4(a) to "relevant national legislation". In South Africa this means the Trade Metrology Act, 1973 (Act No. 77 of 1973).

Reference is made in 3.4(b) and 3.81 to "relevant national legislation". In South Africa this means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

Reference is made in 3.4(c) to "relevant national legislation". In South Africa this means the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

This document was written in order to support a specific 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.

In South Africa control of pressure vessels and pressure systems is regulated in terms of the Pressure Equipment Regulations by the Chief Inspector of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) of the Department of Labour.

Annexes B, E and F form an integral part of this document. Annexes A, C and D are for information only.

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The installation of pipes and appliances for use with natural gas

1 Scope

1.1 This standard sets out requirements for the installation of consumer piping, flueing, ventilation and appliance installations which are associated with the use or intended use of fuel gases for natural gas (NG) and simulated natural gas (SNG).

1.2 The requirements cover piping systems from the outlet of the consumer billing meter installation through to the consumer piping from the property boundary.

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.

AS 4176, *Polyethylene/aluminium and cross-linked polyethylene/aluminium macro-composite pipe systems for pressure applications.*

AS 4267, *Pressure regulators for use with industrial compressed gas cylinders.*

AS/NZS 1734, *Aluminium and aluminium alloys – Flat sheet, coiled sheet and plate.*

AS/NZS 1869, *Hose and hose assemblies for liquefied petroleum gases (LP Gas), natural gas and town gas.*

AS/NZS 4130, *Polyethylene (PE) pipes for pressure applications.*

BS 1600, *Specification for dimensions of steel pipe for the petroleum industry.*

EN 161, *Automatic shut-off valves for gas burners and gas appliances.*

EN 15266, *Stainless steel pliable corrugated tubing kits in buildings for gas with an operating pressure up to 0,5 bar.*

SANS 62-1, *Steel pipes – Part 1: Pipes suitable for threading and of nominal size not exceeding 150 mm.*

SANS 62-2, *Steel pipes – Part 2: Screwed pieces and pipe fittings of nominal size not exceeding 150 mm.*