Hose for natural gas and liquefied petroleum gas (LPG)

Part 2: Hose and tubing for use in natural gas and liquefied petroleum gas vapour phase
SANS 1156-2:2012
Edition 3

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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 December 2012.

This document supersedes SANS 1156-2:2010 (edition 2).

This document is referenced in the Occupational Health and Safety Amendment Act, 1993 (Act No. 181 of 1993).

SANS 1156 consists of the following parts:

*Hose for liquefied petroleum gas (LPG) – Part 1: Hose used in road and rail transport.*

*Hose for natural gas and liquefied petroleum gas (LPG) – Part 2: Hose and tubing for use in natural gas and liquefied petroleum gas vapour phase.*

Annex A is for information only.
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Hose for natural gas and liquefied petroleum gas (LPG)

Part 2:
Hose and tubing for use in natural gas and liquefied petroleum gas vapour phase

1 Scope

1.1 This part of SANS 1156 covers flexible rubber or PVC hose and tubing for use, at a temperature from –10 °C and not exceeding 60 °C, in LPG vapour phase and natural gas applications.

1.2 This part of SANS 1156 also covers flexible rubber or PVC hose assemblies for natural gas.

1.3 This part of SANS 1156 does not specify rubber hose for welding, cutting and allied processes.

NOTE 1 Rubber hose for welding, cutting and allied processes and applications, see SANS 3821.

NOTE 2 Recommendations for the safe operation of tubing and hose are given in annex A.

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.

BS 5173-103.2, Methods of test for rubber and plastics hoses and hose assemblies – Physical tests – Determination of crush resistance of hoses.

ISO 30013, Rubber and plastics hoses – Methods of exposure to laboratory light sources – Determination of changes in colour, appearance and other physical properties.

SANS 1086, Flexible poly(vinyl chloride) (PVC) pressure hose.

SANS 3821/ISO 3821, Gas welding equipment – Rubber hoses for welding, cutting and allied processes.


SANS 23529/ISO 23529, Rubber – General procedures for preparing and conditioning test pieces for physical test methods.