

**SRI LANKA STANDARD 1183 : 1998**

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**SPECIFICATION FOR  
DOMESTIC LIQUEFIED PETROLEUM GAS  
(LPG) BURNING INSTALLATIONS  
AT PERMANENT DWELLINGS**

**SRI LANKA STANDARDS INSTITUTION**

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**SLS 1183 : 1998**

**Gr. 14**

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## **FOREWORD**

This standard was approved by the Sectoral Committee on LP Gas Industry and was authorized for adoption and publication as a Sri Lanka Standard by the Council, of the Sri Lanka Standard institution on 1998-12-10.

This standard deals with liquefied petroleum (LPG) gas installations at permanent dwellings and has been written in the form of a practice specification. To comply with this specification, users have to comply with all its requirements. Users may depart from recommendations, but this would be on their own responsibility and they would be expected to have good reasons for doing so.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or an analysis, shall be rounded off in accordance with **CS 102**. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

The Sri Lanka Standard Institution gratefully acknowledges the use of the following publications, in the preparation of this standard:

- 1 BS 5482 Domestic butane- and propane- gas- burning installations  
Part 1: 1994 Specification for installations at permanent dwellings
- 2 IS 5116 : 1969 General requirements for domestic and commercial  
equipment for use with LPG

## **1 SCOPE**

This standard specifies the basic requirements for the installation at permanent dwellings of domestic systems using liquefied petroleum gases (LPG), whether from cylinders or bulk supply at a pressure of 2.8 kPa. It makes recommendations on the selection of materials, components and appliances, on design considerations, on installation requirements, on inspection and testing and on consumer instruction.

This standard applies to the installation of liquefied petroleum gas appliances which conform to recognized national standards.

This standard does not cover installation requirements of bulk tank supplies of liquefied petroleum gas.

Appliances incorporating their own gas supply are not considered to be part of the installation and are thus outside the scope of this standard.

Appendix A, Appendix B and Appendix C give test procedures for low pressure and high pressure stages of installation. Appendix D gives an example of an emergency action notice or leaflet for users of liquefied petroleum gas.

## 2 REFERENCES

- ISO 7 -1 Pipe threads where pressure tight joints are made on the thread- dimensions, tolerances and designations.
- BS 476 Fire tests on building materials & structures
- BS 2871 Specification for copper & copper alloy tubes  
Part 2 : Tubes general purposes
- LPGA CP22(6) LPG piping systems, design and installation
- SLS 102 Presentation of numerical values
- SLS 712 Liquefied petroleum gas
- SLS 1171 Flexible rubber tubing, rubber hose and rubber hose assemblies for use in LPG vapour phase and LPG/air installations.
- SLS 1180 Pressure regulators and automatic change-over devices for use with LPG.
- SLS .....\* Cooking appliances operated with LPG
- SLS .....\* water heaters operated with LPG

## 3 DEFINITIONS

For the purpose of this standard, the following definitions shall apply:

**3.1 permanent dwelling :** Structure of a permanent nature, to which appropriate building regulations apply and which is used primarily for domestic purposes.

**3.2 liquefied petroleum gas (LPG):** Commercial butane or commercial propane or any mixture thereof complying with SLS 712.

### NOTE

*LPG presently used in Sri Lanka is commercial butane and commercial propane nominally in the ratio of 70:30 by weight.*