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SINGAPORE STANDARD

Specification for connecting joints used in domestic liquefied petroleum gas (LPG) cooker systems





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Foreword

This Singapore Standard was prepared by the Working Group on Domestic LPG Cooker Systems set up by the Technical Committee on Safety and Health involving Equipment under the purview of the Quality and Safety Standards Committee.

This standard provides requirements for local providers of domestic LPG cylinders and installers of domestic LPG systems, on the appropriate use of connecting joints for the connection of an LPG supply tube to a domestic cooker. There are several existing standards that cover specific parts of LPG cooker systems such as the flexible rubber tubing, cylinders, valves and regulators, but there is no known standard for the joints and fittings which connect the cooker to the flexible rubber tubing. There is also no known standard that covers best practices for safe installation for the system as a whole. This standard has been developed to address these gaps and provide an overview of LPG cooker systems and promote safe practices for the installation of such systems.

It is presupposed that in the course of their work, users will comply with all relevant regulatory and statutory requirements. Some examples of relevant regulations and acts are listed in the Bibliography. The Singapore Standards Council and Enterprise Singapore shall not be responsible for identifying all of such legal obligations.

In preparing this standard, reference was made to the following publications:

- 1. EN 30-1-1:2021 Domestic cooking appliances burning gas
- 2. SS 99:1998(2011) Specification for welded low carbon steel cylinders for storage and transportation of compressed liquefied gases
- 3. SS 233:2013 Specification for flexible rubber tubing, rubber hose and rubber hose assemblies for use in LPG vapour phase installations
- 4. SS 281:1984 Specification for pressure regulators for liquefied petroleum gases
- 5. SS 294:1998 Specification for valves for use with domestic and industrial liquefied petroleum gas (LPG) cylinders
- 6. BS 5315:1991 Specification for hose clamps (worm drive type) for general purpose use (metric series)

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Acknowledgement is made for the use of information from the above publications.

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Specification for connecting joints used in domestic liquefied petroleum gas (LPG) cooker systems

1 Scope

This standard specifies requirements and recommendations for connecting fuel inlets to domestic gas cookers that use LPG. It also covers the requirements for the connecting joints and fittings, as well as best practices for installation and servicing, i.e. when replacing LPG cylinders.

This standard does not cover table-top cookers that have integrated gas supply fixtures.