Singapore Standards Council

CP 75 : 1998 (2017)
ISO 11621 : 1997, IDT
(ICS 23.020.35)

SINGAPORE STANDARD

Code of practice for gas cylinders – Procedures for change of gas service

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Code of practice for gas cylinders – Procedures for change of gas service

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This Singapore Standard having been approved by the Mechanical Standards Committee was endorsed by the Standards Council on 30 November 1998.

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The Mechanical Standards Committee appointed by the Standards Council consists of the following members:

		Name	Organisation
Chairman	:	Mr Victor Ho Kwok Weng	*Standards Council*
Deputy Chairman	:	Mr Ng Thin Teng	*Individual Capacity*
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The Technical Committee on Storage and Transportation of Compressed Gases including LPG appointed by the Mechanical Standards Committee and responsible for the preparation of this standard consists of representatives from the following organisations:

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Secretary	:	Mr Loke Seck Kar	*Singapore Productivity and Standards Board*
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		Mr Leong Shui Hung	*Department of Industrial Safety*
		Mr Tan Guan Joo	*Singapore Confederation of Industries*
		Cpt Thng Ting Mong	*Singapore Civil Defence Force*

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National Foreword

This code of practice was prepared by Technical Committee on Storage and Transportation of Compressed Gases including LPG under the direction of the Mechanical Standards Committee. It is identical to ISO 11621 : 1997 – 'Gas cylinders – Procedures for change of gas service'.

This code was prepared with the aim of standardising the procedures for change of gas in steel cylinders.

Where the words "This International Standard" appear, it should be read as "This Singapore Standard".

NOTE

1. *Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*

2. *An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR.*

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Introduction

It is occasionally desirable to change gas cylinders from one gas service to another. Certain of these service changes can be made quite easily, while others require a careful inspection of the interior and exterior of the cylinder to detect the presence of corrosion products or contaminants, which must be removed for safety reasons or to avoid undesirable contamination of the contained gas.

This International Standard has been prepared to assist those engaged in the filling of gas cylinders for changing cylinders from one gas service to another.

Code of practice for gas cylinders – Procedures for change of gas service

1 Scope

This International Standard applies to seamless steel, aluminium alloy and welded steel refillable cylinders of all sizes, including large cylinders (water capacity greater than 150 l).

It provides general requirements and procedures to be considered whenever a cylinder is being transferred from one gas service to another for permanent and liquefied gases.

It does not apply to cylinders for dissolved acetylene, radioactive gases or gases listed in group G of table 1.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5145:1990, *Cylinder valve outlets for gases and gas mixtures — Selection and dimensioning.*

ISO 6406:1992, *Periodic inspection and testing of seamless steel gas cylinders.*

ISO 10156:1996, *Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets.*

ISO 10460:1993, *Welded carbon steel gas cylinders — Periodic inspection and testing.*

ISO 10461:1993, *Seamless aluminium-alloy gas cylinders — Periodic inspection and testing.*

ISO 11114-1:—[1], *Compatibility of cylinder and valve materials with gas contents — Part 1: Metallic materials.*

1) To be published.