



Code for Facilities, Technology and Inspection for Manufacturing of Cryogenic Cylinders

Deliberation/Resolution by Gas Technical Standards Committee : September 10, 2021

Approval by the Ministry of Trade, Industry & Energy : October 8, 2021

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This code is the detailed standards established by the Gas Technical Standards Committee in accordance with Article 22-2 of "High-Pressure Gas Safety Control Act", Article 45 of "Safety Control and Business of Liquefied Petroleum Gas Act" and Article 17-5 of "Urban Gas Business Act", Article 48 of "Promotion of Hydrogen Economy and Hydrogen Safety Control Act". Since conformity to this Code is deemed to conform to the laws and regulations above, this Code must be observed.

This English version of KGS Code is an informal translation from its Korean original version. Only the Korean version of the KGS Code is officially effective since it has been authorized by the Gas Technical Standards Committee (KGS Code Committee). The secretariat of the Committee reserves the right to revise the English version whenever translation errors are found.

History of Establishment and Revision of KGS Code	
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Code Title	Code for Facilities, Technology and Inspection for Manufacturing of Cryogenic Gas Cylinders

Date of Establishment/Revision	Description
December 30, 2008	Established (Notification of the Ministry of Knowledge Economy No. 2008-379)
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January 3, 2011	Revised (Notification of the Ministry of Knowledge Economy No. 2010-489)
May 25, 2011	Revised (Notification of the Ministry of Knowledge Economy No. 2011-261)
June 26, 2012	Revised (Notification of the Ministry of Knowledge Economy No. 2012-313)
December 28, 2012	Revised (Notification of the Ministry of Knowledge Economy No. 2012-549)
May 20, 2013	Revised (Notification of the Ministry of Knowledge Economy No. 2013-087)
December 31, 2013	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2013-353)
November 17, 2014	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2014-589)
December 10, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-641)
January 8, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-6)
July 11, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-354)
January 16, 2019	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2019-026)

May 11, 2020	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2020-301)
July 5, 2021	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2021-518)
October 8, 2021	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2021-699)

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Code for Facilities, Technology and Inspection for Manufacturing of Cryogenic Gas Cylinders

1. General

1.1 Scope

This Code applies to facilities, technology and inspection for manufacturing of cryogenic gas cylinders (cylinders to be filled with liquefied gas of which temperature is not over -50°C and thermally insulated with insulation materials and/or refrigerated by refrigerators to keep the gas temperature in them within their normal temperature; hereinafter referred to as "cylinders") manufactured by welding among cylinders in conformity to the High-Pressure Gas Safety Control Act (hereinafter referred to as "the Act"), Article 3, Clause 2.

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by Gas Technical Standards Committee (Bill No. 2021-7, September 10, 2021) in accordance with the Act, Article 22-2, Clause 2, has been approved by the Minister of Knowledge Economy (Notification No. 2021-699 of the Ministry of Trade, Industry & Energy, October 8, 2021), and is valid and effective as the detailed standards in conformity to the Act, Article 22-2, Clause 1.

1.2.2 Conformity to this Code is deemed to conform to Table 10 of the Enforcement Rule of the High-Pressure Gas Safety Control Act (hereinafter referred to as "Enforcement Rule") in accordance with the Act, Article 22-2, Clause 4.

1.3 Reference Codes and Standards

1.3.1 Inspection standard for new technology products

1.3.1.1 In case the Minister of Trade, Industry & Energy acknowledges that the cylinders do not meet