



**Code for Facilities, Technology, Inspection
and Safety Assessment for Storage of
High-pressure Gases**

Deliberation/Resolution by Gas Technical Standards Committee : July 15, 2022

Approval by the Ministry of Trade, Industry & Energy : August 30, 2022

Gas Technical Standards Committee

Chairman	Byung-Hak Choi, Professor of Gangneung-Wonju National University
Vice-Chairman	Gi-hyun Jang, Professor of Inha University
Ex Officio Member	Yoon-Gil Hwang, Manager of Energy Safety Department, Ministry of Trade, Industry & Energy Chae-Sik Kwak, Director of Technology and Safety, Korea Gas Safety Corporation
<hr/>	
High-Pressure Gas	Byung-Hak Choi, Professor of Gangneung-Wonju National University Seong-Jin Song, Vice president of SungKyunKwan University Beom-Seok Lee, Professor of KyungHee University Chun-Seok Yoon, CEO of Hanul E&R Yeong-Hoon Ann, Professor of HanYang University
Liquefied Petroleum Gas	Hyeong-Hwan Ann, Professor of Korea National University of Transportation Hyuk-Myun Kwon, Professor of YonSei University Jeong-Sik Cheon, Director of E1 CO., Ltd. kyung-Soo Kang, Senior Researcher of Korea Institute of Energy Research Yong-Kwon Lee, Vice-President of DaeYeon Co., Ltd.
Urban Gas	Dong-Il Shin, Professor of MyongJi University Jeong-Hoon Kim, Principal Researcher of Korea Institute of Machinery and Materials In-Cheol Jeong, Director of Yesco Co., Ltd. Gi-hyun Jang, Professor of Inha University
Hydrogen Gas	Kwang-Won Lee, Professor of HoSeo University Ho-young Jeong, Professor of ChonNam National University In-Yong Kang, CEO of H&Power Co., Ltd. Woon-Bong Baek, Senior Researcher of Korea Institute of Standards and Science

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 "Hydrogen Economy Promotion and Hydrogen Safety Management 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.

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Code Title	Code for Facilities, Technology, Inspection and Safety Assessment for Storage of High-pressure Gases

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Code for Facilities, Technology, Inspection and Safety Assessment for Storage of High-pressure Gases

1. General

1.1 Scope

This code applies to the installations, technology and inspection of high-pressure gas storage places in conformity to the Enforcement Decree of the High-pressure Gas Safety Control Act (hereinafter referred to as "the Enforcement Decree"), Article 3, Clause 2.

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by the Gas Technical Standards Committee (Bill No. 2022-6, July 15, 2022) in accordance with to the High-pressure Gas Safety Control Act (hereinafter referred to as "the Act"), Article 22-2, Clause 2, has been approved by the Minister of Trade, Industry & Energy Notification No. 2021-785 of the Ministry of Trade, Industry & Energy, August 30, 2022), 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 Attached Table 8, 1 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 Definitions

The meanings of the terms used in this Code are as follows:

1.3.1 "Combustible gases" mean acrylonitrile, acrylaldehyde, acetaldehyde, acetylene, ammonia, hydrogen, hydrogen sulfide, hydrogen cyanide, carbon monoxide, carbon disulfide, methane, methane chloride, methane bromide, ethane, ethane chloride, vinyl chloride, ethylene, ethylene oxide, propane, cyclo-propane, propylene, propylene oxide, butane, butadiene, butylene, methyl ether, mono-methylamine, di-methylamine, tri-methylamine, ethylamine, benzene, ethyl benzene, and