KGS AA318 2021

Code for Facilities, Technology and Inspection for Manufacturing of Valves for Toxic Gas Piping

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

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

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
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 "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	
Code Number	KGS AA318 2021
Code Title	Code for Facilities, Technology and Inspection for Manufacturing of Valves for Toxic Gas Piping

Date of Establishment/Revision	Description
December 30, 2008	Established (Notification of the Ministry of Knowledge Economy No. 2008-379)
May 15, 2009	Revised (Notification of the Ministry of Knowledge Economy No. 2009-193)
June 29, 2009	Revised (Notification of the Ministry of Knowledge Economy No. 2009-250)
April 5, 2011	Revised (Notification of the Ministry of Knowledge Economy No. 2011-173)
May 20, 2013	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2013-087)
November 17, 2014	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2014-589)
August 7, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-436)
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)
March 9, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-94)
July 11, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-354)
November 23, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-603)
February 10, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-066)
June 2, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-298)
December 13, 2018	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2018-607)
January 16, 2019	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2019-026)

October 8, 2021	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2021-699)

Table of Contents

Code for Facilities, Technology and Inspection for Manufacturing of Valves for Toxic Gas Piping

1. General

1.1 Scope

This Code applies to the facilities, technology and inspection for manufacturing of valves (ball valves, globe valves, gate valves, check valves and cocks in conformity to KS B 2304, hereinafter referred to as "valves") to be installed in toxic gas piping in the installations which shall be registered for and filed for manufacturing, storage, sales or importation of high-pressure gas among specially-designated facilities in conformity to the Enforcement Regulation of the High-Pressure Gas Safety Control Act (hereinafter referred to as "Act"), Article 3, Clause 5. However, valves to be installed in high-pressure gas specially-designated facilities and valves to be installed on refrigerators subject to refrigerator inspection shall be excluded in the application of this Code.

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, Clause 2, has been approved by the Minister of Trade, Industry & Energy (Notification No. 2019-26 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 12 of the Enforcement Regulation of the High-Pressure Gas Safety Control Act (hereinafter referred to as "Enforcement Regualtion") in accordance with the Act, Article 22-2, Clause 4.

1.3 Reference Codes and Standards