



Code for Facilities, Technology and Inspection for Manufacturing Gas Water Heaters

Deliberation/Resolution by Gas Technical Standards Committee : February 17, 2023

Approval by the Ministry of Trade, Industry & Energy : March 6, 2023

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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 "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.

History of Establishment and Revision of KGS Code	
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Code Title	Code for Facilities, Technology and Inspection for Manufacturing of Gas Water Heaters

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December 31, 2008	Established (Notification of the Ministry of Knowledge Economy No. 2008-380)
May 15, 2009	Revised (Notification of the Ministry of Knowledge Economy No. 2009-193)
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June 26, 2012	Revised (Notification of the Ministry of Knowledge Economy No. 2012-313)
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)
April 14, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-223)
November 4, 2015	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2015-578)
January 8, 2016	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2016-6)
Jun 2, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-298)
August 7, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-411)
September 29, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-475)
December 13, 2018	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2018-607)
April 2, 2021	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2021-274)
October 12, 2022	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2022-760)
March 6, 2023	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2023-220)

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Code for Facilities, Technology and Inspection for Manufacturing of Gas Water Heaters

1. General

1.1 Scope

1.1.1 This Code applies to facilities, technology and inspection for manufacturing of liquefied petroleum gas or city gas water heaters (hereinafter referred to as "water heaters") coming under the following (1) and (2) among the combustors in conformity to the Enforcement Rule of the Safety Control and Business Regulation of Liquefied Petroleum Gas Act (hereinafter referred to as "Enforcement Rule"), Table 3, No. 10 and Table 7, No.4-j. <Revised on November 4, 2015>

- (1) Water heaters of which total heat input rate does not exceed 232.6 kW (200,000 kcal/h), and
- (2) Water heaters of which gas working pressure does not exceed 3.3kPa.

1.1.2 The gas combustors excluded from the gas appliances subject to license in conformity to the Enforcement Rule, Table 7, No. 5, b are as follows:

- (1) Gas torches used for welding and cutting,
- (2) Dryer combustors used in casting sand dryers, printing ink dryers, concrete dryers, etc.,
- (3) Combustors for heat treatment furnaces or heating furnaces used in metal heat treatment furnaces, glass and ceramic furnaces, atmosphere gas furnaces, etc.,
- (4) Melting furnace combustors used in metal melting, glass melting, etc.,
- (5) Combustors attached to gas canisters of which internal volume is less than 100 mL, and
- (6) Other combustors acknowledged by the Minister of Trade, Industry & Energy not to be detrimental to safety control. <Revised on September 29, 2017>

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by Gas Technical Standards Committee (Bill No. 2023-1, February 17, 2023) in conformity to the High Pressure Gas Safety Control Act (hereinafter referred to as "High Pressure Gas Act"), Article 33-2 in accordance with the Safety Control and Business Regulation of Liquefied Petroleum Gas Act (hereinafter referred to as "Act"), Article 45, Clause 1, has been approved by the Minister of Trade, Industry & Energy (Notification No. 2023-220 of the Ministry of Trade, Industry & Energy, March 6, 2023), and is valid and effective