



**Code for Facilities, Technology, Inspection,  
Supervision and Detailed Safety Diagnosis for  
Specified Production of High-Pressure Gases**



## Gas Technical Standards Committee

<b>Chairman</b>	Byung-Hak Choi, Professor of Gangneung-Wonju National University
<b>Vice-Chairman</b>	Gi-hyun Jang, Professor of Inha University
<b>Ex Officio Member</b>	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/>	
<b>High-Pressure Gas</b>	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
<b>Liquefied Petroleum Gas</b>	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.
<b>Urban Gas</b>	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
<b>Hydrogen Gas</b>	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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## Table of Contents

1. General .....	1
1.1 Scope.....	1
1.2 Validity of Code .....	1
1.3 Definitions .....	1
1.4 Application of Other Codes.....	5
1.5 Interim Measures .....	6
1.5.1 Interim measure for distance between safety zones.....	6
1.5.3 Interim measure for piping materials .....	6
1.5.4 Interim measure for installation of protection plates .....	6
1.5.5 Interim measure for prevention of leakage diffusion .....	6
1.5.6 Interim measure for installation of overpressure safety devices .....	6
1.5.7 Interim measure for installation of bund walls .....	6
1.5.8 Interim measure for installation of protection walls.....	7
1.5.10 Interim measure for installation of combustible gas storage tanks.....	7
1.5.12 Interim measure for emergency cutoff devices.....	7
1.5.13 Interim measure for installation of sleeve pipes for piping passing through walls <Newly established on August 16, 2013> .....	7
1.5.14 Interim measure for installation of tail pipes for overpressure safety devices <Newly established on August 16, 2013> .....	7
1.5.15 Interim measure for detoxification facilities <Newly established on August 16, 2013> 8	
1.5.16 Interim measure for protection apparatuses of toxic gas installations.....	8
1.5.17 Interim measure for loading arms <Newly established on January 16, 2019> .....	8
1.5.18 Interim Measures for the Installation of Steel Plate Protection Walls <New established on January 12, 2021> .....	8
1.5.19 Interim Measures for Gas Equipment and High-Pressure Gas Facilities <Newly established on August 9, 2021> .....	8
1.5.20 Interim Measures for Those Excluded as High-Pressure Gas Facilities <Newly established on August 9, 2021> .....	8
1.5.21 Interim Measures for the Installation of Protective cloth <Newly established on January 11, 2022> .....	8
1.5.22 Interim Measures for the Installation of Detection Unit and Indoor Air Intake facility in	

the Instrumentation Room <Newly established on January 11, 2022> .....	9
1.5.23 Transitional measures concerning hydrogen appliance installations <Newly established on August 30, 2022> .....	9
1.5.24 Transitional measures concerning the installation of an equalizing line of a pipeline carrying oxygen (hereinafter referred to as "oxygen piping") <Newly established on November 4, 2022> .....	9
1.6 Restriction to Use of Appliances .....	9
2. Installation Standard .....	9
2.1 Layout Standard .....	9
2.1.1 Distance from protected installations .....	9
2.1.2 Distance from naked lights .....	11
2.1.3 Distance from other facilities .....	11
2.1.4 Distance from boundary of business place .....	12
2.1.5 Distance to road boundary (currently not used) .....	12
2.1.6 Distance to railroad (currently not used) .....	12
2.1.7 Securement of open space (currently not used) .....	12
2.1.8 Special cases of extension or modification (currently not used) .....	12
2.1.9 Establishment of safety zones .....	12
2.2 Foundation Standard .....	21
2.2.1 Site survey .....	21
2.2.2 Foundation works .....	24
2.2.3 Fixation of storage tanks .....	26
2.3 Storage Facility Standard .....	29
2.3.1 Materials of storage facilities .....	29
2.3.2 Construction of storage facilities .....	29
2.3.3 Installation of storage facilities .....	30
2.3.4 Storage Tank Type .....	33
2.4 Gas Facility Standard .....	34
2.4.1 Materials of gas facilities .....	34
2.4.2 Construction of gas facilities .....	34
2.4.3 Thickness and strength of gas facilities .....	34
2.4.4 Installation of gas facilities .....	40
2.4.5 Performance of gas facilities .....	41
2.5 Piping Facility Standard .....	42
2.5.1 Materials of piping facilities .....	42
2.5.2 Configuration of piping facilities .....	50
2.5.3 Thickness of piping facilities .....	51
2.5.4 Jointing of piping facilities .....	53



2.5.5 Measures for absorption of expansion and contraction of piping facilities.....	55
2.5.6 Electric insulation of piping facilities.....	56
2.5.7 Installation of piping facilities .....	57
2.5.8 Installation of associated piping facilities .....	70
2.5.9 Performance of piping facilities.....	74
2.5.10 Labeling of piping facility <Newly established on January 11, 2022> .....	74
2.6 Accident Prevention Facility Standard.....	76
2.6.1 Installation of overpressure safety devices.....	76
2.6.2 Installation of gas leak alarm and automatic shutoff devices.....	90
2.6.3 Installation of emergency shutoff devices .....	93
2.6.4 Installation of check valves .....	96
2.6.5 Installation of flame arrestors.....	96
2.6.6 Installation of hazard monitors and controllers (currently not used).....	97
2.6.7 Installation of accidental start prevention devices (currently not used).....	97
2.6.8 Installation of explosion-proof electrical facilities.....	97
2.6.9 Installation of ventilation systems .....	97
2.6.10 Installation of corrosion protection system.....	97
2.6.11 Installation of static eliminators.....	98
2.6.12 Installation of toppling prevention devices (currently not used).....	100
2.6.13 Installation of insulation facilities (currently not used).....	100
2.6.14 Installation of internal reaction monitors .....	100
2.6.15 Installation of hazard prevention facilities .....	101
2.6.16 Installation of interlocks.....	102
2.7 Damage Control Facility Standard.....	102
2.7.1 Installation of bund walls .....	102
2.7.2 Installation of protection walls <Revised on November 4, 2022> .....	107
2.7.3 Installation of sprinkler systems (currently not used) .....	110
2.7.4 Installation of detoxification facilities.....	110
2.7.5 Installation of neutralization and transfer facilities .....	114
2.7.6 Installation of wind indicators .....	117
2.7.7 Installation of firefighting facilities.....	118
2.7.8 Installation of passages .....	118
2.7.9 Installation of temperature rise prevention facilities .....	118
2.8 Associated Facilities Standard.....	120
2.8.1 Installation of measuring facilities .....	121
2.8.2 Installation of emergency power systems .....	121
2.8.3 Installation of communication systems.....	123
2.8.4 Installation of operation facilities.....	124

2.9 Marking Standard.....	125
2.9.1 Boundary markings and warning signs .....	125
2.9.2 Identification marks and hazard signs.....	128
2.9.3 Boundary fences .....	129
2.10 Other standards .....	129
2.10.1 LPG filling standard.....	129
3. Technical Standard .....	131
3.1 Safety Maintenance Standard.....	131
3.1.1 Maintenance of foundations (currently not used).....	131
3.1.2 Maintenance of storage facilities .....	132
3.1.3 Maintenance of gas facilities .....	135
3.1.4 Maintenance of piping facilities <Revised on January 16, 2019> .....	138
3.1.5 Maintenance of accident prevention facilities .....	140
3.1.6 Maintenance of damage control facilities (currently not used) .....	140
3.1.7 Maintenance of associated facilities.....	140
3.2 Manufacturing and Filling Standard .....	141
3.2.1 Preparation for manufacturing and filling .....	141
3.2.2 Manufacturing and filling operation .....	141
3.3. Inspection Standard.....	148
3.3.1 Inspection of overall systems (currently not used).....	148
3.3.2 Inspection of foundations (currently not used) .....	148
3.3.3 Inspection of storage facilities (currently not used) .....	148
3.3.4 Inspection of gas facilities.....	149
3.3.5 Inspection of piping <Revised on January 16, 2019> .....	151
3.3.6 Inspection of accident prevention facilities (currently not used).....	152
3.3.7 Inspection of damage control facilities.....	152
3.3.8 Inspection of associated facilities .....	152
3.4 Repairs, Cleaning and Removal Standard .....	153
3.4.1 Preparation for repairs, cleaning and removal .....	153
3.4.2 Repairs, cleaning and removal works.....	155
3.4.3 Follow-up measures of repairs, cleaning and removal .....	156
3.5 Other Standards .....	157
3.5.1 Drills on putting on personal protection apparatuses .....	157
4. Inspection Standard.....	157
4.1 Inspection Items.....	157
4.1.1 Intermediate inspection.....	157
4.1.2 Construction supervision and completion inspection .....	158
4.1.3 Regular inspection .....	160

4.1.4 Occasional inspection.....	163
4.1.5 Detailed safety diagnosis.....	163
4.2 Inspection Methods.....	164
4.2.1 Intermediate inspection.....	164
4.2.2 Construction supervision, completion inspection and regular inspection .....	169
4.2.3 Detailed safety diagnosis.....	183
Appendix A Standard for Installation of Overpressure Safety Devices before August 1, 1998.....	185
Appendix B Standard for Installation of Protection Walls before June 23, 1993 .....	190
Appendix C Standard for Installation of Instrument Rooms before July 16, 1985.....	191

**KGS FP111** <sup>2022</sup>**Code for Facilities, Technology, Inspection, Supervision and Detailed Safety Diagnosis for Specified Manufacturing of High-pressure Gases****1. General****1.1 Scope**

This code applies to the installations, technology, inspection, supervision and detailed diagnosis for specified manufacturing of high-pressure gas in conformity to the Enforcement Decree of the High-pressure Gas Safety Control Act (hereinafter referred to as "the Enforcement Decree"), Article 3, Clause 1, 1.

**1.2 Validity of Code**

**1.2.1** This Code has passed the deliberation and resolution by the Gas Technical Standards Committee (Bill No. 2022-8, October 21, 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. 2022-793 of the Ministry of Trade, Industry & Energy, November 4, 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 4, 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,