



## Code for Facilities, Technology and Inspection for Manufacturing of Forced Mixed Type Gas Burners

Deliberation/Resolution by Gas Technical Standards Committee : December 20, 2019  
Approval by the Ministry of Trade, Industry & Energy : March 18, 2020



## Personnel

### Gas Technical Standards Committee

Chairman	Kwang-Won Lee, Professor of Hoseo University
Vice-Chairman	Seung-Hoon Nam, Principal Researcher of KRISS
Ex Officio Member	Hui-Won Lee, Manager of Energy Safety Department, Ministry of Trade, Industry & Energy Hae-Myeong Yang, Director of Technology and Safety, Korea Gas Safety Corporation
High-Pressure Gas	Seung-Hoon Nam, Principal Researcher of KRISS Beom-Seok Lee, Principal Professor of Kyung Hee University Dong-Myeong Ha, Professor of Semyung University Chang-Gi Kim, Principal Researcher of Korea Institute of Machinery and Materials Hyuk-Myun Kwon, Director General of Occupational Safety & Health Research Institute Su-Dong Byun, CEO of Q-Best
Liquefied Petroleum Gas	Doo-Seon Park, Managing Director of Daesung Industrial Gas Co., Ltd Hyeong-Hwan Ann, Professor of Korea National University of Transportation Byeong-Hak Choei, Professor of Gangneung-Wonju National University Seong-Min Lee, Director of KOGAS Research Institute Yong-Gwon Lee, Vice-President of EG CNE Co.,Ltd Gi-hyeon Jang, Director of Kiturmi Jeong-Sik Chon, Direto of E1 CO., Ltd.



## History of Establishment & Revision of KGS Code

Item Code No.	KGS AB931 <sup>2020</sup>
Code Name	Code for Facilities, Technology and Inspection for Manufacturing of Forced mixed type Gas Burners

Revision Date	Item
Dec. 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)
June 26, 2012	Revised (Notification of the Ministry of Knowledge Economy, No. 2012-313)
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)
January 9, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-003)
September 29, 2017	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2017-475)
March 18, 2020	Revised (Notification of the Ministry of Trade, Industry & Energy No. 2020-169)



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# Code for Facilities, Technology and Inspection for Manufacturing of Forced mixed type Gas Burners

## 1. General

### 1.1 Scope

**1.1.1** This Code applies to facilities, technology and inspection for manufacturing of forced mixed type gas burners in conformity to the Enforcement Regulation of the Safety Control and Business Regulation of Liquefied Petroleum Gas Act (hereinafter referred to as "the Enforcement Regulation"), Table 3, No.9 and Table 7, No. 4-i. However, forced mixed type gas burners attached to the combustors in conformity to the Enforcement Regulation, Table 3, No. 10 and the combustors specified in Table 7, No. 5-b are not covered by this Code. <Revised on November 4, 2015>

**1.1.2** Combustors excluded from gas appliances subject to license in accordance with the Enforcement Regulation, Table 7, No. 5-b are as follows:

- (1) Gas torches used in welding and cutting,
- (2) Dryer burners used in cast sand dryers, printing ink dryers, concrete dryers, etc.,
- (3) Heater burners of heat treatment furnaces or heating furnaces used in metal heat treatment furnaces, glass and ceramic furnaces, controlled atmosphere furnace, etc.,
- (4) Burners for melting furnaces used for melting metal or glass,
- (5) Burners attached to gas cylinders of which internal volume is less than 100 mL, and
- (6) Other burners accepted by the Minister of Trade, Industry & Energy to be free of safety problem.

<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. 2019-10, December 20, 2019) 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. 2020-169 of the Ministry of Trade, Industry & Energy, March 18, 2020), and is valid and effective

as the detailed standards in conformity to the Act, Article 45, Clause 1.

**1.2.2** Conformity to this Code is deemed to conform to Table 7 of the Enforcement Regulation in accordance with the Act, Article 45, Clause 4. <Revised on November 4, 2015>

### **1.3 Reference Codes and Standards**

#### **1.3.1 Inspection standard for new technology products**

In case the Minister of Trade, Industry & Energy accepts that the manufacturing and inspection methods of forced mixed type gas burners developed through new technology development do not conform to the standard for facilities, technology and inspection in conformity to this Code in accordance with the Enforcement Regulation, Table 7, No. 5-a but do not hinder safety control, such manufacturing and inspection methods of those gas appliances may apply only restrictively to them. <Revised on May 15, 2009 & September 29, 2017>

#### **1.3.2 Registration standard for manufacturing of foreign products** <Newly established on June 26, 2012>

The "foreign manufacturing installation standards and manufacturing technology standards" specified the Enforcement Regulation, Article 17, proviso of Clause 3 mean the detailed standards specified by the provisions of the Act, Article 45. <Revised on November 4, 2015>

### **1.4 Definitions**

The terms used in this Code are defined as follows: However, terms not defined in this Code shall conform to KS B 0116(Glossary of Terms – Relating to Industrial Combustion Equipment).

**1.4.1** "Regular quality inspection" means the performance inspection performed by taking samples from products manufactured in mass production to check whether the products which are to undergo production stage inspection are the same products manufactured as those that have undergone design stage inspection.

**1.4.2** "Routine sample inspection" means the inspection performed to check on the basic product performance by taking samples from the same products manufactured in the same production lot for the products to undergo product identification inspection.