



Code for Facilities, Technology, Inspection and Reinspection for Manufacturing of Specified Refrigeration Equipment

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History of Establishment and Revision of KGS Code

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Code for Facilities, Technology, Inspection and Periodic inspection for Manufacturing of Specified Refrigeration Equipment

1. General

1.1 Scope

This Code applies to facilities, technology, inspection and periodic inspection for manufacturing of specified refrigeration equipment (compressors and condensers or vaporizers and pressure vessels of which refrigeration capacity is not less than 3 tons) among specified refrigeration equipment in conformity to the High-Pressure Gas Safety Control Act (hereinafter referred to as "Act"), Article 3, Clause 5. <Revised on January 3, 2011>

1.2 Validity of Code

1.2.1 This Code has passed the deliberation and resolution by Gas Technical Standards Committee (Bill No. 2019-8, October 18, 2019) in accordance with the Act, Article 22-2, Clause 2, has been approved by the Minister of Trade, Industry & Energy (Notification No. 2020-167 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 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 Regulation") in accordance with the Act, Article 22-2, Clause 4.

1.3 Reference Codes and Standards

1.3.1 Inspection standard for new technology products

1.3.1.1 In case the Minister of Trade, Industry & Energy accepts that the specified refrigeration

equipment does not meet the inspection standard conforming to this Code in accordance with the Enforcement Regulation, Table 12, No. 4-b but does not hinder safety control, such manufacturing and inspection methods of the specified refrigeration equipment may apply only to the specified refrigeration equipment. <Revised on January 3, 2011 & September 29, 2017>

1.3.1.2 Specified refrigeration equipment inspected by an authorized inspection agency in charge in accordance with an acceptable standard in Table 1.3.1.2 shall be deemed to have been approved by the Minister of Trade, Industry & Energy and may be inspected in accordance with the relevant acceptable standard without the need of applying for exemption from the inspection in conformity to local codes and standards and undergoing subsequent review. <Revised on May 20, 2013, December 10, 2015>

Table 1.3.1.2 Acceptable Foreign Standards and Authorized Inspection Agencies for Specified Foreign Refrigeration Equipment <Revised on December 10, 2015>

| Acceptable Standard | Authorized Inspection Agency |
|--|--|
| ASME SEC.VIII | AIA (Authorized Inspection Agency) registered in ASME |
| PED (Pressure Equipment Directive) | Notified body of EC (European Commission) |
| High-Pressure Gas Safety Security Law of Japan | High-Pressure Gas Safety Institute |
| API, MD (Machinery Directive) | - |
| Other standards acceptable to the Minister of Trade, Industry & Energy | Inspection agencies acceptable to the Minister of Trade, Industry & Energy |
| [Note] In case of API and MD, restrictive to compressors. | |

1.3.2 Manufacturing registration of foreign specified refrigeration equipment <Revised on May 20, 2013>

1.3.2.1 The “manufacturing facility standards and manufacturing technology standards” specified in the Enforcement Regulation, Article 9-2, proviso of Clause 3 means acceptable foreign standards for foreign refrigeration equipment, etc. in accordance with Table 1.3.1.2.

1.3.2.2 The foreign specified refrigeration equipment shall be manufactured in conformity to the acceptable standards specified in Table 1.3.1.2 in accordance with the Enforcement Decree of High Pressure Gas Safety Control Act, Article 5-2, Clause 2, No. 2 and shall undergo inspection by the relevant authorized inspection agencies. However, compressors manufactured in conformity to the API, MD standard shall be exempted. <Revised on December 10, 2015>