

JIS

JAPANESE INDUSTRIAL STANDARD

**Automatic gas valves
for gas appliances**

JIS S 2151—1993

Translated and Published

by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority.**

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Automatic gas valves for gas appliances

S 2151-1993

1. Scope This Japanese Industrial Standard specifies the automatic gas valves to be used for the gas appliances using liquefied petroleum gas⁽¹⁾ or city gas⁽²⁾ having gas pressures of 3.3 kPa {330 mmH₂O} or less, which are to be connected by gas supply line of external diameter of 35 mm or less (hereafter referred to as "automatic gas valves").

Notes (1) The liquefied petroleum gas means the gas described in the "Standard for liquefied petroleum gas" of enforcement regulations (1968, Ordinance of Ministry of International Trade and Industry No. 14) based on the Law Concerning the Security of Safety and the Optimization of Transaction of Liquefied Petroleum Gas (1967, Law No. 149).

(2) The city gas means the gas of gas group described in the ministerial ordinance concerning the verification of gas appliance and material (1971, Ordinance of Ministry of International Trade and Industry No. 27) based on the Gas Utility Industry Law (1954, Law No. 51).

Remarks 1. The standards cited in this Standard are shown in Attached Table 1.

2. The units and numerical values given in { } in this Standard are based on the traditional units and are appended for informative reference.

2. Classification The classification of the automatic gas valves shall be as Table 1 and Table 2.

Table 1. Classification by use

Use	Details of classification
For appliance valve	Type capable of being used as appliance valve
For non appliance valve	Type incapable of being used as appliance valve

Table 2. Classification by type of operation

Type of operation	Details of classification
Electromagnetic type	Type which makes open and close of gas passage by the electric magnet or solenoid. There is direct acting type and pilot type. (Informative reference Fig. 1 and Informative reference Fig. 2)
Motor type	Type which makes open and close of gas passage by the motor.