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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 27550-2011

Replacing GB 17264-1998; GB 17265-1998; GB 17266-1998; GB 17267-1998

Safety specification for filling station of gas cylinders

气瓶充装站安全技术条件

(English Translation)

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Foreword

All the technical contents of this standard is mandatory.

Accordance with the standards GB/T 1.1-2009. Drafting Rules "Standardization Guide Part 1 standard structure and preparation of" given.

This standard replaces GB 17264-1998 "permanent gas cylinder filling station safety and technical conditions", GB 17265-1998 "liquefied gas Bottle filling station safety and technical conditions ", GB 17266-1998" filling station of dissolved safety and technical conditions "and GB 17267-1998" solution LPG filling station safety and technical conditions. " this standard and GB 17264-1998, GB 17265-1998, GB 17266-1998 and GB 17267-1998 compared to the main technical Changes are as follows.

--- The GB 17264-1998, GB 17265-1998, GB 17266-1998 and GB 17267-1998 standard in Chapter 3 Responsibilities filling station, the basic conditions of Chapter 4 of the filling station and filling station personnel Chapter 5, section three chapters conditions for the integration and revision.

--- The GB 17264-1998, GB 17265-1998, GB 17266-1998 and GB 17267-1998 in Chapter 6, Section 7 Chapter has been revised and re-establishment.

--- Normative documents according to GB/T 1.1-2009 regulations perfect, and in accordance with changes made by reference to the standard additions and deletions.

This standard by the National Standardization Technical Committee cylinder (SAC/TC31) and focal points.

This standard was drafted. Safety and Environmental Engineering, Capital University of Economics, Beijing Praxair Co., Ltd., Shanghai COSCO Chemical Co., Ltd., Hangzhou gas plant, North China Municipal Engineering Design Institute, the Asian branch of China Gas Association.

Drafters of this standard. Shen Yue Wu, Ma Changhua, Chen Jianlin, Yuxi Xi, Song Liansheng, Cheng Hao, Xuzhan Wei, Song Qi, Chen thrift.

This standard by the National Standardization Technical Committee responsible for the interpretation of cylinders.

This standard replaces the standards previously issued as follows.

--- GB 17264-1998;

--- GB 17265-1998;

--- GB 17266-1998;

--- GB 17267-1998.

Safety requirements for cylinder filling stations

1 Scope

This standard specifies the compressed gas (also known as permanent gas) cylinder filling stations, liquefied gases (including LPG) filling station of dissolved Acetylene cylinder filling station (hereinafter referred to as filling stations) must have the responsibility and safety and technical conditions.

This standard applies to compressed gas (also known as permanent gas) cylinder filling stations, liquefied gases (including LPG) filling station of dissolved Acetylene cylinder filling station (hereinafter referred to as the filling station).

This standard does not apply to vehicles with a cylinder and welding insulation cylinder filling station.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 2894 Safety Signs GB 7723 fixed electronic scale GB 15383 cylinder valve outlet connections and sizes GB 16912 Deep frozen production of oxygen and related gas safety technical regulations GB 50016 architectural design code for fire protection GB 50028 City Gas Design Code GB 50030 oxygen station design specifications GB 50031 acetylene station design specifications GB 50057 Lightning in design GB 50058 Explosion and fire hazard electrical installation design specifications GB 50160 fire protection design of petrochemical enterprises GB 50177 hydrogen station design specifications GB 50257 electrical equipment installation engineering explosion and fire hazard electrical equipment installation and acceptance GB J140 building fire extinguisher configuration design

specifications GB Z1 Design of Industrial Enterprises hygiene standards HG/T 20675
chemical enterprises static grounding design procedures JB/T 8856-2001 dissolved
acetylene equipment

3 Responsibilities, filling stations

3.1

responsible for filling gas cylinders, storage, management and use of gas cylinders gas cylinders before using handle registration certificate.

3.2

offers users the gas cylinder, and responsible for the safety of gas cylinders on the filling paste cylinders meet national safety and technical specifications National standards for warning labels.

3.3

is responsible for explaining knowledge and emergency measures to filling cylinders and gas workers and the use of gas cylinders and users, promoting safety the use of knowledge and risk warning requirements.

3.4

responsible for filling gas cylinders before and after filling checks, fill out and send and receive recorded for each recording filling cylinders, cylinder filling and safety be responsible for.

3.5

responsible for the maintenance of gas cylinders and accessories repair, replacement, color coating work cylinder mark.

3.6

responsible regularly to the local quality supervision departments to submit its own cylinder number, symbol flag, periodic testing and documentation, the person responsible for filling station Filling certified personnel situation.

The inspection cycle is responsible for more than 3.7 cylinder before filling or found to have undesirable cylinders delivered to the ground, above the level (including) special equipment Cylinder Safety Supervision testing agencies designated processing.

3.8

ensure that the filling gas cylinders in line with quality standards and issue certificates of qualified products.

3.9

responsible for reporting the production, safety and technical conditions, accident reports and emergency situation to the local authorities.

4 Basic conditions for filling stations

4.1

filling station according to relevant provisions of qualification of local quality supervision, safety supervision, environmental protection and fire protection and other regulatory approval.

4.2

filling station should have intact production facilities and filling gas species to adapt, industrial equipment, means of detection, site plant, compliance with safety Safety requirements.

4.3

filling station has some gas storage capacity and a sufficient number of its own equity cylinders.

4.4

filling station shall be in accordance with national laws and regulations, to develop appropriate rules and regulations.

- a) safety education, training, examination system;
- b) fire, explosion, lightning protection, anti-static system;
- c) transport of dangerous goods, storage system;
- d) regular inspection ledger system and equipment, pressure vessels, piping, measuring instruments;
- e) records management system;
- f) personal responsibility, team management system;
- g) Emergency Response Rescue Plan;
- h) comply with the relevant provisions of the State Environmental Protection emissions system.

4.5

All filling station equipment, job safety procedures to complete.