

ICS 11.020
CCS C 05

WS

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

WS 435-2013

**Operational management of medical gas pipeline system for
hospitals**

(English Translation)

Issued on: January 1, 1970

Implemented on: January 1, 1970

**Issued by: National Health and Family Planning Commission of the
People's Republic of China**

Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and definitions
4 Basic requirements
5 Major equipment operation and management requirements
6 Emergency Management
Contractor Management
References

Foreword

This standard 4.1.8,4.6.2,5.3.2,5.6.2,5.7.2,5.7.3,5.8.13 is the recommended terms, the rest is mandatory.

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was drafted. West China Hospital of Sichuan University, Guangdong Provincial People's Hospital, Xinjiang Uygur Autonomous Region People's Hospital, Xinjiang Medical University Affiliated First Hospital, Chengdu First People's Hospital, Chengdu Third People's Hospital.

Drafters of this standard. Huang Shiqing, Xie Lei, Ye Feng, Wang Xiaorong, Guo Tao, Liu Cuiling, Chen Xianzhi, Yang Bo, Du Xu, Zhang Dongliang, Tang Zhaobin, Liu Jian, Wang Yushan, Bai Chunlei, Sun Lin, Song Wenjie, Tian Meirong, Zhuang Mingxuan, Yuan Xiangdong, Yu Aiping, Liu Zhilian, He Bin, Xu Jiacui, Ye Jiqin, Zhou Zheng, Chen Ping, Liu Mingjian, Zhang Wei.

Introduction

With the rapid development of the hospital, more and more hospitals will use centralized supply of medical gas systems and their dependence on medical gas systems Getting stronger At the same time, more types of medical gases, and some medical gases have a certain degree of danger. In recent years, medical gas accidents have also occurred occur. Medical gas systems, one of the core of hospital support systems, are directly related to medical safety and hospital safety. In order to strengthen the medical Gas system operation

and management, standardize the behavior of hospital medical gas practitioners to improve the safe operation of equipment and systems capacity to ensure that the body Safety and equipment safety, the development of hospital medical gas system management standards are necessary.

This standard is based on the relevant state laws and regulations, research and analysis of hospital medical gas operation and supply characteristics and extensive solicitation of all parties Opinions based on the formulation.

Hospital medical gas system operation and management

1 Scope

This standard specifies the hospital medical gas delivery after the project, the hospital medical gas system operation and management of the basic requirements and medical gas Body practitioners in the operation of equipment operation, maintenance, emergency response and other aspects of the code of conduct.

This standard applies to all levels of hospital medical gas system operation and management, similar to medical gas system, other medical institutions can be According to the implementation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 16912 deep-frozen production of oxygen and related gas safety technical regulations
GB 50016 architectural design code for fire protection GB 50029 compressed air station design specifications GB 50030 oxygen station design specifications GB 50333 Hospital clean operation building technical specifications JB6898 cryogenic liquid storage and transportation equipment safety rules JGJ49 General Hospital Building Design Code TSGD0001 Pressure Pipeline Safety Technology Supervision Procedures YY/T 0186 medical center suction system general technical conditions YY/T 0187 medical center oxygen supply system General technical conditions YY/T 0298 General Specification for Medical Molecular Sieve Oxygen Making Equipment

3 Terms and definitions

GB 50029, GB 50030, YY/T 0186, YY/T 0187 and the following terms and definitions apply to this document.

Medical gas for use in anesthesia, therapy, diagnostics or prophylaxis, acting on a single or mixed gas of a patient or medical device.

Medical gas (pipeline) system A complete system, including gas source system, monitoring and alarm system, and a pipeline distribution system with valves and terminal components.

Single fault (status) single-fault condition There is only one safety precaution in the equipment, or only one external abnormal condition, ie equipment or unit in the event of a single component failure, or a single branch of the equipment and components in the event of failure.