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CCS C56



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

GB/T 17226-2017

Replacing GB/T 17226-1998

**Hygienic requirements of classroom ventilation in middle and
elementary school**

中小学校教室换气卫生要求

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 17226-1998 "primary and secondary school classroom ventilation standards", and GB/T 17226-1998 compared to the main technical The changes are as follows:

- Modify the standard name "primary and secondary school classroom ventilation requirements";
- Partially modified the scope of the standard (see Chapter 1,.1998 edition of Chapter 1);
- Added some terms and definitions (see
- Remove the number of classroom ventilation requirements (see.1998 version 3.2);
- Modify the classroom indoor air carbon dioxide concentration requirements and the necessary ventilation requirements (see Chapter 4, Chapter 5,.1998 edition 3.1,3.3);
- Modify the provisions of the classroom ventilation mode (see Chapter 7,.1998 edition Chapter 4);
- Modify the classroom ventilation system, an increase of ventilation time (see Chapter 8,.1998 edition of Chapter 5);
- Modify Appendix A content. This standard is proposed and managed by the National Health and Family Planning Commission of the People's Republic of China. This standard was drafted by Harbin Medical University, Peking University, Inner Mongolia Autonomous Region Hohhot Disease Prevention and Control Center. The main drafters of this standard. Wang Yi Jun, Zhang Huiying, Ma Jun, Zhang Lin, Liang Shuang, Chen Sufen, Ulanqimuge. This standard replaces the standards previously issued as.
- GB/T 17226-1998. Primary and secondary school classroom ventilation requirements

1 Scope

GB/T 17226-2017 is the Chinese national standard on hygienic requirements of classroom ventilation in middle and elementary school, in the field of environment and health

protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 November 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2018. Classification: ICS 13.100, CCS C56. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the average daily maximum allowable concentration of carbon dioxide in air in primary and secondary school classrooms and determination of methods, primary and secondary students need to change Gas, classroom ventilation and ventilation system. This standard applies to new construction, renovation, expansion and daily central heating in general classrooms, secondary professional, vocational and technical schools can be According to use.

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/T 18204.2 public places health inspection methods - Part 2. Chemical contaminants

GB 50099 primary and secondary school design specifications

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Daily average maximum allowable concentration

maximumallowableconcentration-dailyaverage The maximum allowable value of the mean concentration for any one day.

3.2 Classroom ventilation classroomventilation The use of doors and windows of the gap, ventilation pipes, ventilation windows, etc., directly into the outdoor air, indoor air pollution replacement.

3.3 Necessary ventilation volume necessaryventilationvolume To ensure the basic indoor air quality, to ensure the health of people the necessary ventilation. According to equation (1) calculation. $Q = K - K_0$ (1) In the formula. Q

--- necessary ventilation, the unit is cubic meter per hour people [$m^3/(h \cdot \text{people})$]; M

--- exhaled carbon dioxide, in units of liters per hour [L/(h · people)]; K

--- classroom indoor air maximum allowable concentration of carbon dioxide,%; K0

--- outdoor air carbon dioxide concentration,%.

3.4 Classroom transom classroomtransom The upper part of the classroom doors and windows for ventilation.