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

**GB 42302-2022**

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**Respiratory protection - Non-powered air-purifying respirators  
for escape**

呼吸防护 自吸过滤式逃生呼吸器

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## Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents. This document was proposed and managed by the Ministry of Emergency Management of the People's Republic of China. Respiratory protection self-priming filter escape respirator

## 1 Scope

GB 42302-2022 is the Chinese national standard on respiratory protection - non-powered air-purifying respirators for escape, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 29 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2024. Classification: ICS 13.340.30, CCS C73. 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 document specifies the classification, classification and marking, technical requirements, marking and packaging of self-priming filter escape respirators (hereinafter referred to as respirators) equipment, and the test method is described. This document is applicable to disposable respirators for protection against toxic and harmful gases, vapors and particles during escape. This document does not apply to escape breathing apparatus for hypoxic environments.

## 2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB 2626-2019 Respiratory protection self-priming filter anti-particulate respirator

GB 2890-2022 Respiratory protection self-priming filter gas mask

GB/T 12903 Personal Protective Equipment Terminology

GB/T 18664 Selection, use and maintenance of respiratory protective equipment

GB/T 23465 Practical performance evaluation of respiratory protective equipment

GB 30864-2014 Respiratory protection power supply air filter respirator

GB/T 32166.2-2015 Personal protective equipment Eye and face protection Occupational eye and face protection Part

## 3 Terms and Definitions

The following terms and definitions defined in GB/T 12903 and GB/T 18664 apply to this document.

3.1 Self-priming filter respirator non-powered air-purifying respirators Rely on the wearer to breathe spontaneously to overcome the resistance of the parts, filter the toxic and harmful gases or vapors and particles in the environment, and supply them for breathing A respirator for clean air. [Source: GB 2626-2019, 3.3, modified]

3.2 Self-priming filtering respirator (3.1) designed for use only when escaping from a hazardous environment.

3.3 A place where the oxygen content in the ambient air is lower than 19.5% (volume fraction). [Source: GB 8958-2006, 3.1, modified]

3.4 full face mask full facepiece A tight-fitting mask that fits closely to the face and can cover the eyes, mouth, nose and jaw.