

ICS 13.100
CCS D09



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

GB 43066-2023

**Safety technique requirements for passive flameproof facilities
of coal mine**

煤矿用被动式隔爆设施安全技术要求

Issued on: September 8, 2023

Implemented on: April 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents" Drafting. Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents. This document is proposed and managed by the State Mine Safety Supervision Bureau. Safety technical requirements for passive explosion-proof facilities in coal mines

1 Scope

GB 43066-2023 is the Chinese national standard on safety technique requirements for passive flameproof facilities of coal mine, 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 8 September 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2024. Classification: ICS 13.100, CCS D09. 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 stipulates the general requirements for passive explosion-proof facilities used underground in coal mines, installation location and location, shed area parameter

settings, installation methods, usage use and maintenance. This document is applicable to the installation and use of explosion-proof water sheds and explosion-proof rock powder sheds in underground coal mine tunnels.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document. MT/T 157 General technical conditions for explosion-proof water tanks and explosion-proof water bags used in coal mines

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Underground in coal mines, facilities that use combustible gas and coal dust explosion shock waves as power to isolate the propagation of flames from combustible gas and coal dust explosions.

Note. It mainly includes explosion-proof water shed and explosion-proof rock powder shed.

3.2 flameproofshed flameproofshed A group of explosion-proof water sheds or explosion-proof rock powder sheds used in coal mine tunnels to isolate the spread of combustible gas and coal dust explosion flames.

Note. Explosion-proof water sheds include explosion-proof water tank sheds and explosion-proof water bag sheds.

3.3 mainflameproofshedmainflameproofshed Explosionproof shed used to protect the entire mine body.

3.4 It is used to protect the mining area and is installed in the explosion-proof shed in the mining area.

3.5 Explosion-proof water sheds installed centrally in tunnels.

Note. The distance between rows is 1m~3m, and the length of the shed is not less than 24m.

3.6 Explosion-proof water sheds installed dispersedly in the tunnel.

Note. Each shed group consists of at least two rows of explosion-proof water tanks/water bags. The spacing between shed groups is 10m~30m, and the length of the shed area is not less than.200m.