

ICS 01.080.20

CCS D04



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

GB/T 18024.7-2010

Replacing GB/T 18024.7-2000

**Graphical symbols for the technical documentation of coal
mine machinery - Part 7: Graphical symbols for compressor, fan
and pump**

煤矿机械技术文件用图形符号 第7部分：压气机、通风机和泵图形符号

Issued on: September 26, 2010

Implemented on: February 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Rules for use symbols

Foreword

GB/T 18024 "coal mine machinery Graphical symbols for technical documentation" is divided into seven parts.

- Part 1. General;
- Part 2. Support and pillar coal mining face graphic symbols;
- Part 3. Graphical symbols for mining machinery;
- Part 4. Graphical symbols for underground haulage machinery;
- Part 5. ground production and hoisting machinery graphic symbols;
- Part 6. Graphical symbols for surface mine machinery;
- Part 7. compressor, fan and pump graphic symbols. This section GB/T Part of 718,024. This Part replaces GB/T 18024.7-2000 "technical documentation of coal mine machinery Graphical symbols for compressed air, ventilation and drainage machinery graphical symbols number". Section compared with the GB/T 18024.7-2000 The main changes are as follows:
 - Expanding the scope of the standard (see Chapter 1);
 - Modify the design of graphical symbols, design standard modulus M dot grid, the grid system of 0.125M (2000 edition 3.1;
 - An increase in the use of graphic symbols, its scale and more flexible content (see 3.4);
 - An increase of two graphic symbols. portable air compressors and portable gas drainage pump (see 7-02 and 7-20). This part of GB/T 18024.1 ~ 18024.6 supporting the use. This section is proposed and managed by the China Coal Industry Association. This section is responsible for drafting the Xi'an University of Science. The main drafters of this section. Malaysia Ji, Li Yong, rejuvenating autumn, Ma Jin. This part of the standard replaces the previous editions are.
- GB/T 18024.7-2000. Coal mine machinery Graphical symbols for technical documentation Part 7. compressor, fan and pump Graphical symbols

1 Scope

GB/T 18024.7-2010 is the Chinese national standard on graphical symbols for the technical documentation of coal mine machinery - part 7: graphical symbols for compressor, fan and pump, in the field of generalities, terminology and documentation. 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 26 September 2010 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 February 2011. Classification: ICS 01.080.20, CCS D04. 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.

GB/T 18024 in the provisions of this part of the compressor, fan and pump graphical symbols and rules. This section applies to mine design, production, scientific research, teaching, publications and technical documentation and other aspects of management, to draw a variety of devices with Maps, system maps, sketches and other. Also applicable to other similar machinery industry technical documents.

2 Normative references

The following documents contain provisions which, through reference

GB/T 18024 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 16901.1 technical documents represent the first part of the rule of graphical symbols. Basic rules (GB/T 16901.1-2008, ISO 81714-1.1999, MOD)

GB/T 17450 Technical drawings Chart (GB/T 17450-1998, idt ISO 128-20.1996)

3 Rules for use symbols

3.1 graphical symbols, applications GB/T 17450 stipulated line drawing.

3.2 arrows indicating the flow direction, a thin solid line drawn in the head angle should be between $45^{\circ} \sim 60^{\circ}$.

3.3 Part predetermined direction graphic symbols as needed can be rotated a certain angle or into a mirrored configuration. Graphical symbols specified in section

3.4 is based on GB/T 16901.1 requirements, design 0.125M lattice grid system for regulation. The proportion of fixed symbols, graphic symbols can be different in different directions in the same proportion or ratio of the need to make appropriate adjustments according to use, but it should be fully Original graphical symbols transmitted information. General symbol specified in Section 3.5, for use in the expression of specific types of objects without specified occasions. 4 compressor, fan and pump graphic symbols. Compressor, fan and pump graphical symbols shown in Table 1. Table 1 compressor, fan and pump graphical symbols. No Graphic Symbol Name Description 7-

01 Air Compressor compressor General symbol References GB/T 16660-2008 (4.4.9)