

ICS 13.220.10

CCS C84



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

GB 25200-2010

Powder nozzle

干粉枪

Issued on: September 26, 2010

Implemented on: March 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	Terms and Definitions
4	Classification and models
5	Water pressure resistance strength performance test 6.5
5.1	Appearance requirements
5.5	Water pressure resistance strength properties Gun powder by
5.6	Performance Drop Gun powder by
5.7	Corrosion Resistance Gun powder by
5.8	Performance impact resistant injection Powder spray gun by
5.9	Operation structural requirements
6	Test methods
6.2	Basic performance test
6.5	Water pressure resistance strength performance test, the test pressure of
6.8	Impact resistance performance test conducted at the maximum working pressure of
6.9	Operating Structure Test
7	Inspection rules
7.1	Type inspection
7.2	Factory inspection
	Appendix A

Foreword

Chapter 5 of this standard are mandatory, the rest are recommended. Appendix A of this standard is a normative appendix. The standard proposed by the People's Republic of China Ministry of Public Security. This standard by the National Standardization Technical Committee pump fire truck Technical Committee (SAC/TC113/SC4) centralized. This standard was drafted. Shanghai Fire Research Institute of Ministry of Public Security. The main drafters of this standard. Rong Jun, Jin Wei, Chi Ling Qiao, Li Fu Ping, Wang Yi, Zhu Yun. Gun powder

1 Scope

GB 25200-2010 is the Chinese national standard on powder nozzle, 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 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 March 2011. Classification: ICS 13.220.10, CCS C84. 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 terms and definitions of gun powder, classification and type, performance requirements, test methods, inspection rules, marking, packaging, storage, Transport and use instructions and other requirements. This standard applies to all types of gun powder as a dry powder injection medium.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 3864 industrial nitrogen

GB 4066.1 powder extinguishing agent Part 1. BC powder extinguishing agent (GB 4066.1-2004, ISO 7202. 1987, NEQ)

GB 4066.2 powder extinguishing agent Part 2. ABC powder extinguishing agent (GB 4066.2-2004, ISO 7202. 1987, NEQ) GB 8181-2005 Nosepiece

GB 12514.1 fire interface - Part 1. General technical conditions for fire interface Fire Interface Part 2

GB 12514.2. Fire button within the interface and basic parameters Fire Interface Part 3

GB 12514.3. Cassette Fire Patterns and basic parameters 12514.4 fire interface - Part 4
GB . Threaded Fire Patterns and basic parameters

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 A portable and operated by a single person or persons as a dry powder fire extinguishing agent injection pipe gun.

3.2 Effective injection time effective discharge time Maximum operating pressure dry powder spray gun from a predetermined start, dropped to a predetermined minimum working pressure of time.

3.3 Effective injection rate effective discharge rate In the effective injection time, the discharge of dry mass per unit time.

3.4 Effective range effective range Powder spray gun powder, dry mass pollination intraday maximum muzzle end of a row to the vertical projection of the center of the ground point on the jet axis the distance between.

4 Classification and models

4.1 Classification By operating structure can be divided into.

- a) switch rod handle powder gun;
- b) arcuate handlebar switch gun powder;
- c) dry powder gun trigger switch.

4.2 Model Powder gun model consists of. QF Gun powder Nominal effective injection rate, kg/s Working pressure, MPa customize Example. nominal effective injection rate 3kg/s, the working pressure range 0.6MPa ~ 0.8MPa its dry powder gun model. QF3/0.6 ~ 0.8.

5 Water pressure resistance strength performance test 6.5

6 Drop Performance Test 6.6 7 corrosion resistance test 6.7 8 jet impact resistance performance test 6.8

9 Operating Structure Test 6.9 10 interface checks 6.10 11 non-metallic parts performance check

6.11 A.2 Test Procedure Gun powder test program shown in Figure A.1.

Note 1. The numbers in the box test item number.

Note 2. The round numbers in the drawing for the required number of test samples. Figure A.1 gun powder test procedures

5.1 Appearance requirements

5.1.1 sheet metal parts, stampings and other heavy skin surface should be no obvious mechanical damage and uneven defects.

5.1.2 welded seam should be uniform, no crack, burn, undercuts and other defects.

5.1.3 malleable surface should be free of heavy skin, scarring, shrinkage, shrinkage and other defects.

5.1.4 casting surface should be no flow marks, lack of material, cracks, blistering, peeling, and other defects.

5.1.5 Plating and coating should be uniform color, no peeling, bubbles, scratches and other defects.

5.2 Basic performance parameters The basic performance parameters of gun powder shall meet the requirements of Table 1. Table 1 powder gun performance parameters Nominal effective injection rate / (Kg/s) Real effective injection rate E / (Kg/s) Working pressure/MPa effective range/m 0.5 0.5≤E < 1 1 1≤E < 2 2 2≤E < 3 3 3≤E < 4 4 4≤E < 5 5 5≤E < 8 8 8≤E < 10 A predetermined minimum/maximum Working pressure ≥3 ≥5 ≥6 ≥8 ≥10 ≥11 ≥12

5.3 Material Direct contact with the powder should be used to manufacture parts copper, stainless steel and other corrosion-resistant material.

5.4 sealing performance Gun powder by

6.4 sealing performance test, the test pressure of

1.1 times the maximum working pressure, to maintain 5min, the connecting portion and open Off should be no gas leakage phenomenon.

5.6 Performance Drop Gun powder by

6.6 drop test performance, there should be no damage to the loosening and normal operation.

5.7 Corrosion Resistance Gun powder by

6.7 corrosion test, powder guns should be no significant corrosion damage after the test, and normal operation.

5.9 Operation structural requirements

5.9.1 For the lever handle switch gun powder, gun powder exit point lever handle is "open", lever handle is perpendicular to the axis of gun powder "OFF" position and limited function in both locations.

5.9.2 arcuate handlebar switch for dry powder gun powder gun pointed arched handle imports is "open", arched handle pointing gun powder exports "OFF" position and limited function in both locations.

5.9.3 For the trigger switch of gun powder, the hand grip is "open", hand relaxation is "off."

5.9.4 powder gun operating torque not greater than 15N · m.

5.10 Interface Requirements An interface type and size should be consistent with GB