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

GB/T 14566.1-2011

Replacing GB/T 14568-1993

**Specification and type for bursting discs - Part 1: Conventional
domed bursting discs**

爆破片型式与参数 第1部分：正拱形爆破片

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Foreword

GB/T 14566 "Disc types and parameters" is divided into four parts.

--- Part 1. Positive arch bursting discs;

--- Part 2. Anti-arched bursting discs;

--- Part 3. Disc-shaped plate;

--- Part 4. graphite rupture disc. This section GB/T Part of 114,566. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 14566-1993 "positive arched metal bursting disc type and parameters" and GB/T 14568-1993 "slit-shaped gold Genus bursting disc type and parameters. " This portion of the GB/T 14566-1993 and GB/T 14568-1993 compared to the main technical change as follows:

--- Standard name from "positive arched metal bursting disc type and parameters" and "slit-shaped metal bursting disc type and parameter" to "Disc Types and parameters - Part 1. Positive arch Disc ";

--- Complement and complete some common rupture disc material applicable design burst pressure range. This part of the National boiler pressure vessel Standardization Technical Committee (SAC/TC262) and focal points. This part mainly drafted by: AVIC Chengdu Security Systems Co., Ltd., Shanghai Gas Industry Association, China Special Equipment Detection Research Institute, AQSIQ Special Equipment Safety Supervision Bureau, Shanghai Huayi Group Engineering Equipment Co., Ltd., Shenyang Aerospace Xinguang Security System Co., Ltd., Dalian Safety Equipment Co., Ltd., Shanghai Hua Li Safety Equipment Co., Ltd., Shenyang Institute of Special Equipment Inspection. The main drafters of this section. Yang Changjun, Xuzai Ping, Chen Hongping, Wei-Ming Zhou, GAO Ji Xuan, life than the south, Chen Zhaohui, Xu Xin, Yu Jianliang, Wu Quanlong, Zhang Zhiyi, Weiyong Biao. This part of the standard replaces the previous editions are.

--- GB/T 14566-1993;

--- GB/T 14568-1993. Disc types and parameters Part 1. Positive arch bursting discs

1 Scope

GB/T 14566.1-2011 is the Chinese national standard on specification and type for bursting discs - part 1: conventional domed bursting discs, 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 30 December 2011 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 June 2012. Classification: ICS 13.230, CCS J74. 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.

1.1 GB/T 14566 provisions of this part of the structure type being arched bursting disc, nominal diameter, design burst pressure range of different materials Wai and other technical requirements.

1.2 section applies to pressure vessels, pressure piping, or other enclosed pressure equipment (hereinafter referred to as pressure equipment) to prevent overpressure or appeared Of the bursting disc safety devices used in vacuum.

1.3 The following section does not apply Disc.

--- May arise during the operation pressure surge, the reaction rate when arriving detonation pressure equipment.

--- Defense and military equipment with special requirements bursting disc safety device.

NOTE. Detonation. combustion speed material fast, reach 1000m/s or more, generating the usual blasting fundamentally different phenomenon, the phenomenon known as detonation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Part 1

GB 567.1 bursting disc safety device. Basic requirements

GB 567.2 Part 2 bursting disc safety devices. Application, selection and installation

GB 567.3 bursting disc safety devices Part 3. Classification and dimensions Section 4

GB 567.4 bursting disc safety device. type test

3.1 General requirements

3.1.1 The positive arch rupture disc structure is different, and can be divided into positive Arch common type rupture discs, n Groove Disc with arch and arch positive Open seam rupture disc three kinds of patterns. Safety requirements and type testing

3.1.2 n arched bursting discs shall comply with the provisions of GB 567.1 ~ 567.4.

3.2 Positive Arch Normal Disc

3.2.1 Press the sealing surface of the clamping surface is different from being ordinary arch rupture disc can be divided into the following two kinds of types.

- a) ordinary planar n Arch bursting disc;
- b) Positive arch ordinary cone-type rupture disc.

3.2.2 different functional accessories carried by the rupture disc assembly, Arch common type being the bursting disc can be divided into the following eight kinds of patterns.

- a) positive common plane with arch type bracket bursting disc;
- b) Positive arch ordinary cone with a carrier-type bursting disc;
- c) a common plane with reinforced arch ring bursting disc;
- d) that is common cone with reinforced arch ring bursting disc;
- e) n ordinary flat arch with a double strengthening ring bursting disc;