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

GB/T 10067.46-2014

**Basic specifications for electroheat installations-Part 46:
Resistance bell furnace**

电热装置基本技术条件 第46部分：罩式电阻炉

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Foreword

GB/T 10067 "Basic electric device technical conditions" existing 19 sections.

- Part 1. Common part;
- Part 2. Arc heating device;
- Part 3. induction electric device;
- Part 31. IF coreless induction furnace;
- Part 32. voltage-frequency multi-station frequency coreless induction furnace complete sets of equipment;
- Part 33. frequency coreless induction melting Tonglu;
- Part 4. Indirect resistance furnaces;
- Part 41. network with resistance heating unit;
- Part 42. Push resistance heating unit;

- Part 43. Forced convection Pit resistance furnace;
- Part 44. Box-type resistance furnace;
- Part 45. vacuum hardening furnace;
- Part 46. Bell-type resistance furnace;

1 Scope

GB/T 10067.46-2014 is the Chinese national standard on basic specifications for electroheat installations-part 46: resistance bell furnace, in the field of manufacturing engineering. 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 3 September 2014 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 2015. Classification: ICS 25.180.10, CCS K61. 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 section GB/T 10067 specifies the various types of cover resistance furnace (hereinafter referred to as "hood-type furnace") general technical requirements, test side Method, inspection rules, marking, packaging, transportation, storage, and ordering and delivery. This section applies to 4.1,

5.2 according to the design requirements, mainly for normalizing steel and cast iron and other materials in the natural atmosphere Annealing and annealing process, as well as steel or copper-based alloy in a protective atmosphere coils, wire coils and other materials of a cover-type resistance furnace. This section also applies to a similar cover-type resistance furnace, the different parts can be otherwise.

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.

GB/T 2900.23-2008 Electrotechnical terminology industrial electric equipment

GB/T 10066.1-2004 Test methods for electroheat installations - Part 1. General section

GB/T 10066.4-2004 Test methods for electric equipment - Part 4. Indirect resistance furnaces

GB/T 10067.1-2005 basic technical conditions for electric devices - Part 1. General section

GB/T 10067.4-2005 Electric equipment basic technical conditions - Part 4. Indirect resistance furnaces

JB/T 9691-1999 Heating Equipment Model methodology

3 Terms and Definitions

GB/T 2900.23-2008, GB/T 10066.4-2004 and as defined in the following terms and definitions apply to this document.

3.1 Hearth furnace bed Located at the top of the hood-type furnace base for supporting the charge member.

3.2 Temperature thermocouple thermocouple for temperature control RBG class bell furnace bottom furnaces introduced, RB, RBD class bell furnace from the bottom of the furnaces to be introduced from the hood side walls. For Work area with a temperature control thermocouple.

3.3 Monitoring thermocouple monitoring thermocouple From RBG class bell furnace cover sidewall introduced, located between the heating element and the furnace tank, outside the tank for controlling the temperature of the furnace, in order to achieve indirect Furnace tank temperature control thermocouple.

3.4 Operating temperature working temperature Normal predetermined temperature bell furnace design workspace, is a range of temperatures. For RBG class bell furnace furnace tank means temperature.