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

GB/T 10067.43-2014

**Basic specifications for electroheat installations-Part 43:
Forced convection pit resistance furnaces**

电热装置基本技术条件 第43部分：强迫对流井式电阻炉

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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 4. Indirect resistance furnaces;
- 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 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 10067.43-2014 is the Chinese national standard on basic specifications for electroheat installations-part 43: forced convection pit resistance furnaces, 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 6 May 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 22 January 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.

GB/T 10067 provisions of this part of the common technical requirements for all types of indirect resistance furnace products, test methods, inspection rules, marks, Packaging, transportation, storage, and ordering and delivery and so on. This section applies to the natural atmosphere and controlled atmosphere, the rated temperature in the range of 100 °C ~ 950 °C various types of experiments and industrial Forced convection pit Furnace. Tempering, annealing and normalizing, carburizing steel parts as well as the main heating and heat treatment of metal parts, seepage Nitrogen, carbonitriding, blue and so on. This section also applies to similar forced convection Pit resistance furnace, the different parts can be otherwise. This section does not apply to household and similar electric appliances.

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 5959.1-2005 Safety of electric devices - Part 1. General requirements

GB 5959.4-2008 Safety of electric devices - Part 4. Particular requirements for resistance heating device

GB 5959.13-2008 Safety of electric devices - Part 13. Electric apparatus for explosive atmosphere of special requirements

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 3649 (all parts) resistance furnace refractory products

JB/T 7629-1994 refractory fiber lining in the design and installation specifications

JB/T 9691-1999 Heating Equipment Model methodology

3 Terms and Definitions

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

3.1 Workspace dimensions dimensionsofworkingzone Pit furnace design requirements, and indicated on drawings allows placement of the workpiece furnace space dimensions. Having a cylindrical pockets of pit furnaces, diameter and height of the workspace design requirements were equal to the inner diameter and effective height of the baskets.

3.2 Maximum load capacity maximumloading Predetermined pit furnace design of each furnace can be loaded up to the weight of the workpiece. Having pockets of pit furnace does not include the weight of the baskets.