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

GB/T 10067.411-2014

**Basic specifications for electroheat installations-Part 411:
Electroheat bath furnace**

电热装置基本技术条件 第411部分：电热浴炉

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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 10067.411-2014 is the Chinese national standard on basic specifications for electroheat installations-part 411: electroheat bath 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 5 December 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 16 April 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 electric heating bath furnace (hereinafter referred to as bath furnace) general technical requirements, test methods, test Rules and technical grading, marking, packaging, transportation, storage, and ordering and delivery. This section applies to the design required 4.1,

5.1 and 5.2, mainly used for metal parts subjected to heat treatment in a salt bath, oil bath or alkali bath Electric heating bath furnace. This section also applies to similar electric bath furnace, such as a metal bath furnace can also refer to this section 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 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 2379-1993 Metal tubular heating element

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 Bath size dimensionsofbathbasin Design requirements and on the nameplate bath internal dimensions. It refers to a circular bath bath bad nominal height and the inner diameter of the top plane and bottom bath between. It refers to a pair of rectangular bath bath cross-sectional width and length, and height of the bath top and bottom plane between. Face the bath, Bath "wide" and the body of the operator about the connection in parallel.

3.2 Workspace dimensions dimensionsofworkingzone It allows you to place the burden of the size of the internal space of the bath bath furnace design requirements (see 5.2.11). Workspace dimensions include cross-sectional dimension (diameter or width and length) and the effective height. Cross-sectional dimension of the work area is generally equal to the cross-sectional dimension of the bath. The exceptions are. RYN class of bath and electrode through the cross RYD class bath furnace section, the cross-sectional dimensions of the work area is equal to the cross-sectional dimensions of the bath minus the tubular heating element or the area occupied by the electrodes The corresponding size.