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

GB/T 10067.47-2014

**Basic specifications for electroheat installations-Part 47:
Vacuum heat treatment and brazing furnace**

电热装置基本技术条件 第47部分：真空热处理和钎焊炉

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Table of Contents

1	Scope	
2	Normative references	
3	Terms and Definitions	
4	Products	
4.1	Varieties and specifications	
4.2	Part	
4.3	The main technical parameters of	
5	Technical requirements	
5.1	General Requirements	
5.2	pairs of complementary design and manufacture of claim	
5.3	Performance requirements	
5.4	sets requirements	
6	Test methods	
6.1	General requirements	
6.4	degrees of temperature uniformity	9
6.5	Heating test	7
7	inspection rules and classification	9
8	signs, packaging, transportation	
9	and storage	11
9	ordering and delivery	
16	Horizontal	

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 10067.47-2014 is the Chinese national standard on basic specifications for electroheat installations-part 47: vacuum heat treatment and brazing 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.

GB/T 10067 in this section specifies the requirements for heat treatment and vacuum brazing furnace product (hereinafter referred to as a vacuum furnace), including product Specifications, technical requirements and the ordering and delivery. This section applies to 4.1,

5.2 by design, mainly used for metal material gas quenching, tempering, annealing in a vacuum state, normalizing, Sintering, brazing, etc. processing vacuum resistance furnace. Technical requirements of this section also apply to externally heated, air cooled system does not have the type of heat, pressure gas quenching, etc. with a vacuum resistance furnace.

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 9691-1999 Heating Equipment Model methodology

3 Terms and Definitions

Terms and definitions GB/T 10066.4-2004 defined apply to this document.

4.1 Varieties and specifications

4.1.1 Vacuum furnace type and temperature rating according to the structure is divided into a number of varieties, as shown in Table 1. Table 1 in the form of a vacuum furnace structure and the rated temperature in degrees Celsius Variety code structure type threshold temperature ZR6 ZR8 ZR9 ZR12 ZR13 ZR15 ZR