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

GB/T 10067.45-2014

**Basic specifications for electroheat installations-Part 45:
Vacuum quenching furnace**

电热装置基本技术条件 第45部分：真空淬火炉

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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 2	
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	8
6.6	Test oil quenching system	9
7	inspection rules and grading	
7.1	General	
7.2	factory inspection items	
7.3	Type inspection items	
7.4	Other Requirements	
7.5	Technical grade	11
8	signs, packaging, transportation and storage	
9	Ordering and Delivery	

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 10067.45-2014 is the Chinese national standard on basic specifications for electroheat installations-part 45: vacuum quenching 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 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.

This section GB/T 10067 specifies the vacuum hardening furnace product requirements, including different specifications, technical performance and its ordering and supply Goods. This section applies to 4.1,

5.2 by design, mainly used for metal material gas quenching and oil quenching in a vacuum horizontal vacuum Resistance furnace. High voltage vacuum hardening furnace, high flow rate vacuum hardening furnace, water vacuum hardening furnace, vertical vacuum hardening furnace, vacuum carburizing furnace of enterprises Industry product standards may refer to this part of the development. Subject to its technical performance or both parties otherwise agree, shall meet the section

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 hardening furnace and the rated temperature structure is divided into a number of varieties, as shown in Table 1. Table 1 vacuum hardening furnace in the form of structural classification degrees Celsius Variety code structure type threshold temperature
ZC13 non-through intermittent ZCG13 through intermittent Continuous ZCL

13 Use other structure type (see 5.2.1) or rated temperature vacuum hardening furnace species code can refer to Table 1 in the enterprise product standards