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

GB/T 10067.41-2013

**Basic specifications for electroheat installations - Part 41: Mesh
belt resistance heating unit**

电热装置基本技术条件 第41部分：网带式电阻加热机组

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Foreword

GB/T 10067 "Basic electric device technical conditions" existing 12 sections.

- Part 1. Common part;
- Part 2. Arc heating device;
- Part 3. induction electric device;
- Part 4. Indirect resistance furnaces;
- Part 5. high-frequency dielectric heating equipment;
- Part 31. IF coreless induction furnace;
- Part 32. voltage-frequency multi-station frequency coreless induction furnace complete sets of equipment;
- Part 41. network with resistance heating unit;
- Part 42. Push resistance heating unit;
- Part 43. Forced convection pit Furnace (pending approval);
- Part 44. Box-type resistance furnace (pending approval);
- Part 45. vacuum hardening furnace (pending approval). We will continue to develop other

parts as needed. This section GB/T 10067 of Part 41, and GB/T 10067.1 and GB/T 10067.4 in conjunction. This section drafted in accordance with GB/T 1.1-2009 given rules. This part is proposed by the China Electrical Equipment Industrial Association. This part of the National Electric Equipment Industry Standardization Technical Committee (SAC/TC121) centralized. This section is drafted. Furnace Institute Co., Ltd. Xi'an, Xi'an Aojie Electric Heating Equipment Engineering Co., Ltd., Suzhou Science and Technology Kincaid Ltd., Suzhou Industrial Furnace Co., Ltd. Wo long. The main drafters of this section. Fort Liu Fu, Hu Jie, Jin Tao Yuan, Wu root soil. Electric equipment basic technical conditions Part 41. network with resistance heating unit

1 Scope

GB/T 10067.41-2013 is the Chinese national standard on basic specifications for electroheat installations - part 41: mesh belt resistance heating unit, 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 19 July 2013 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 2 December 2013. 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 network with resistance heating unit (hereinafter referred to as mesh belt furnace unit) product classification, general Technical requirements, test methods, inspection rules, marking, packaging, transportation, storage, and ordering and delivery and so on. This section applies to a natural atmosphere furnace atmosphere and controlled atmosphere, various types of industrial temperature rating in the range of 150 °C ~ 1200 °C With mesh belt furnace unit. Mesh belt furnace unit according to the process can be divided into many types of uses, such as. heating unit, quenching unit, annealing line, sintering machine, brazing machine group, solution Unit, unit carburizing, nitriding and other units. After the unit to increase oil segment, black, and other post-treatment process.

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 (IEC

60050-841.2004, IDT)

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 electric equipment - Part 1. General section (IEC 60398.1999, MOD)

GB/T 10066.4-2004 Test methods for electric equipment - Part 4. Indirect resistance furnaces (IEC 60397.1994, NEQ)

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 defined and the following terms and definitions apply to this document.

3.1 Network with resistance heating unit meshbeltresistanceheatingunit In one or more network with resistance furnace as a host (hereinafter referred to as mesh belt furnace), furnace feed configuration and pre-processing device, installed after the furnace treatment Configuration and operation of the control system, to complete the formation of bulk parts heat treatment process or other heating process of continuous production line of the whole process.

3.2 Workspace dimensions dimensionsofworkingzone Mesh belt furnace unit design requirements, and the pattern indicated in each mesh belt furnace allow you to place the burden of the furnace space dimensions (length x width x height).

Note. The "width" refers to the width of the belt between both sides of the tailgate, tailgate when no width specified in the product standards or agreed upon by both parties, but shall not be narrower than the belt 90% of the width; "long", through the mesh belt furnace refers to charge forward, away from the inside of the furnace wall at the exit between the non-through mesh belt furnace refers charge The inside of the furnace wall at the entrance to the furnace taken off the network distance between the bending point with preheating of non-through mesh belt furnace length of their work area should not count preheating section Length; "high" refers to the network to bring the maximum height above the surface to allow placement of the charge.