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

GB/T 10067.42-2013

**Basic specifications for electroheat installations - Part 42:
Pusher resistance heating unit**

电热装置基本技术条件 第42部分：推送式电阻加热机组

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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 42, and GB/T 10067 Part 1 and Part 4 of 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. Xi'an Institute Furnace Co., Ltd. Jiang Xi Kexin electric stove. The main drafters of this section. Fort Liu Fu, Ge Hua, Huangkui Gang, Zhu Lin. Electric equipment basic technical conditions Part 42. Push resistance heating unit

1 Scope

GB/T 10067.42-2013 is the Chinese national standard on basic specifications for electroheat installations - part 42: pusher 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 push-type resistance heating unit (hereinafter referred to as "push furnace unit") classification of the product, through 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 ~ 1350 °C With push furnace unit. Push furnace unit according to the process can be divided into many types of uses, such as heating units, conditioning units, annealing line, sintering units, unit carburizing, nitriding machine Group, soldering machines and other groups.

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 Push resistance heating unit pusherresistanceheatingunit In one or more push-type resistance furnace as a host (hereinafter referred to as push 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 Push provisions furnace unit designed and marked on the pattern of each push oven tray and allows you to place the burden of the furnace space dimensions (length x width x high).

Note. The "width" refers to the width of the mouth; "long" push-through for charging into the furnace refers to the distance between the inside of the furnace wall at the exit, and for non-push-through furnace means The inside of the furnace wall at the entrance of the charge from the furnace to bend the tray between the distal edge; "high" means over the track surface allows placing trays and a maximum charge height.