Chinastandards.org

ICS 23.020.100
CCS P99

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 14977-2025

Electric heating unibody heat storage device

电加热一体式蓄热装置

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14977-2025

Chinastandards.org

Table of Contents

1 Scope
2 Normative references
3 Terms and definitions
4 Model designation and basic parameters
4.1 Model designation and classification
4.2 Classification
5 Technical requirements
5.1 Main materials
5.2 Operating conditions
5.3 Control configuration and functions
5.4 Structure
5.5 Welding quality
6 Test methods
7 Inspection rules
8 Marking, packaging, transportation and accompanying documents
9 Installation and usage requirements

1 Foreword

JB/T 14977-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

This is a draft translation for reference among interesting stakeholders. The finalized translation (passing through draft translation, self-check, revision and verification) will be delivered upon being ordered.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This document specifies the model designation, classification and technical requirements for electric heating unibody thermal storage devices, describes the corresponding test methods, and specifies the inspection rules, marking, packaging, transportation, storage, accompanying documents, installation and usage requirements. This document is

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14977-2025

applicable to the manufacture of electric heating unibody thermal storage devices using water as the medium with a thermal storage temperature of (45 to 95) °C.

JB/T 14977-2025 falls under ICS 23.020.100, in the field of fluid systems and general-purpose components.

This catalogue holds 421 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

JB/T 7155-2007 - Wheels for wheeled construction machinery - Technical requirements

JB/T 8816-1998 - Construction machinery - Drive axles - Technical specifications

GB/T 13752-1992 - Design rules for tower cranes

JB/T 14976-2025 - Stratified heat storage device

5 Classification and status

International classification (ICS): 23.020.100

Chinese Standard Classification (CCS): P 99

Prefix JB/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jb-t-14977-2025