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

CJ/T 467-2014

Replacing CJ/T 3047-1995

Semi-instantaneous water heater

半即热式换热器

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces CJ/T 3047-1995 "semi-instant heat exchangers." this standard and CJ/T 3047-1995 compared to the main technical changes are as follows.

- Modify the semi-instant heat exchanger terminology;
- Modify the term floating coil;
- Increasing the intelligent electric temperature controller, heat transfer area, operating time, temperature control precision terms;
- Removed the pressure, the maximum working pressure, design pressure, design temperature, test temperature, metal temperature, time constant terms;
- Modify the semi-instant heat exchanger model that;
- Added the terms of the outsourcing parts purchased;
- Remove the semi-instant heat exchanger heat medium, series of parameters, the provisions of the nominal diameter;
- Remove the floating coil of carbon steel, the upper and lower end cap of malleable iron material, an increase of the upper and lower end cap of stainless steel, containers the material of the flange
- Remove the provisions of the lining of copper;

- Increasing the upper and lower end cap in the flat cover, head with a container flange two types, and in the corresponding increase in the relevant provisions of the standard;
- Increased thermal performance of semi-instant heat exchangers;
- Modify the temperature control accuracy performance test methods;
- Modify the type test conditions.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Standardization Technical Committee building centralized.

This standard was drafted. Hebei Baoding Taihang Group Co., Ltd., China Construction Metal Structure Association.

1 Scope

This standard specifies the semi-instant heat exchanger (hereinafter referred to as "heat exchanger") terms and definitions, models and structures, materials, requirements, test side Law, inspection rules, marking, packaging, transportation and storage.

This standard applies to the heat medium for steam or heat medium water semi-instant heat exchanger design, manufacture, testing and testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Pressure vessels - Part 1. General requirements GB 150.3 Pressure vessels - Part 3. Design GB 150.4 Pressure vessels - Part 4. Manufacturing, inspection and acceptance GB 151 shell and tube heat exchanger GB 713 boiler and pressure vessel steel GB/T 1176 cast copper and copper alloy GB/T 1348 ductile iron parts GB 1527 copper and copper alloy drawn pipe GB/T 3287 malleable iron pipe fittings Electrical control equipment GB/T 3797-2005 GB 13296 boiler, heat exchanger with stainless steel seamless pipe GB/T 13384 mechanical and electrical product packaging General technical conditions GB/T 13927 industrial valve pressure test GB 24511 pressure equipment stainless steel plate and strip GB/T 25198 pressure vessel head GB/T 27698.1 heat exchanger and heat transfer element performance testing methods - Part 1. General requirements GB/T 27698.2 heat exchanger and heat transfer element performance testing methods - Part 2. Shell and tube heat exchanger JB/T 4711 Pressure Vessel Coating and Transport Packaging Nondestructive testing of pressure equipment - Part 2. Radiographic testing Non

- destructive testing of pressure equipment - Part 4. Magnetic particle testing
Nondestructive testing of pressure equipment - Part 5. Penetrant testing NB/T 47020
Pressure vessel flange classification and technical conditions TSGR0004 Fixed pressure
vessel safety technology supervision procedures

3 Terms and definitions

The following terms and definitions apply to this document.