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

GB/T 13638-2008

Replacing GB/T 13638-1992

Water level control and alarm devices for industrial boilers

工业锅炉水位控制报警装置

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

The revised standard and replaces GB/T 13638-1992 "industrial boiler water level control and alarm devices." The main difference between this standard and GB/T 13638-1992 are as follows:

--- Updated version of normative references.

- a) with GB/T 20730.1 industrial process control systems with two or more analog input output instrumentation - Part 1. Performance Evaluation method instead of GB 5010;
- b) with GB/T 15464 instrumentation packaging technology instead of ZBY003;
- c) with JB/T 9329 Instrumentation transport, transportation, storage and basic environmental conditions and test methods ZBY002;
- d) with JB/T 1612 boiler hydrostatic test technical conditions instead of JB1612.

--- Added the following references. Part

- a) GB/T 18271.1 process measurement and control devices - General methods and procedures for evaluating performance 1. General;
- b) GB/T 18271.3 process measurement and control devices - General methods and procedures for evaluating performance - Part 3. Impact amount Movies Sound test;

--- In the "Power 4.5" in increased tolerance values voltage and frequency; 5.9 supply voltage and frequency", the frequency range from 95% to 90% to 105% to 102%; 5.17

--- mechanical vibration is indicated in accordance with the provisions of GB/T 18271.3 of the vibration test;

--- Rewrite the original standard of 5.18, and one of the "continuous transport impact test" to "transport crash tests" to work with the relevant standard Associate agreement;

--- 6.2.1, the test controller to carry out continuous reference to the provisions of GB/T 18271.1 of;

1 Scope

GB/T 13638-2008 is the Chinese national standard on water level control and alarm devices for industrial boilers, 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 28 July 2008 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 1 February 2009. Classification: ICS 25.040.40, CCS N12. 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 standard specifies the industrial boiler water level control alarm device product classification, technical requirements, test methods, inspection rules, marking, packaging And storage. This standard applies to the electrode, magnetic and inductive level sensor (hereinafter referred to as sensors) and the controller of an industrial boiler Level control and alarm system (hereinafter referred to as the water level control device). Sensor-specific technical requirements and test methods in Appendix A (normative).

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 1576-2001 industrial boiler water quality

GB/T 15464 instrumentation packaging technology Part of

GB/T 18271.1 process measurement and control devices - General methods and procedures for evaluating performance 1. General (GB/T 18271.1- 2000, idt IEC 61298-1.1995)

GB/T 18271.3 process measurement and assessment methods and procedures - Part 3 common control device performance. effects of influence quantities test (GB/T 18271.3-2000, idt IEC 61298-3.1998)

GB/T 20730.1 industrial process control systems with two or more analog input output instrumentation - Part 1. Methods of evaluating performance (GB/T 20730.1-2006, IEC 61003-1.2004, IDT)

JB/T 1612 boiler hydrostatic test technical conditions

JB/T 9329 Instrumentation transport, transportation, storage and basic environmental conditions and test methods

3 Terms and Definitions

GB/T 20730.1 and established the following terms and definitions apply to this standard.

3.1 Industrial boiler water level (fixed) control and alarm action means having a bit of formula.

3.2 Industrial boiler water level alarm and continuous control device having the role.

3.3 Industrial boiler water level control beyond the control of the water level alarm range.

3.4 Industrial boiler water level control and alarm devices can display level interval.