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

GB/T 10869-2008

Replacing GB 10869-1989

Control valves for power station

电站调节阀

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Foreword

This standard replaces GB 10869-1989 "power station valve technical conditions." This standard compared with GB 10869-1989 main changes are as follows:

- The standard name be changed to "control valve station";
- Increased Normative References section of Lead and changes in the normative references (Chapter 2, 1989 edition and this edition);
- According to GB/T 17213.1 "Industrial process control valves - Part 1. Control valve terminology and general principles" of the terminology has been revised and increased Save (Chapter 3 1989 edition and this edition);
- Increased the order requirements (Chapter 4 of this edition);
- Increased performance requirements (Chapter 5 of this edition);
- Revised technical requirements (Chapter 4 and Chapter 6 of this edition 1989 edition);
- Modify the inspection and testing (Section 71989 edition Chapter 5 of this edition);
- Increasing the quality certificate (Chapter 8 of this edition);
- Modify the logo, packaging, storage and transport (Chapter 1989 edition of the first edition of 6 and 9);
- Increased inspection rules (Excerpts Appendix A);
- Increased adjustment valve Ordering guide (Excerpts of Appendix B);
- Increased leakage test method (Excerpts Appendix C);
- Rated flow coefficient increases the measurement of (Excerpts Appendix D);

1 Scope

GB/T 10869-2008 is the Chinese national standard on control valves for power station, in

the field of fluid systems and general-purpose components. 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 31 January 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 July 2008. Classification: ICS 23.060.30, CCS J98. 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 terms of the power station valve, ordering requirements, performance requirements, technical requirements, inspection and testing, quality certificate, logo, Packaging, storage and transportation requirements. This standard applies to thermal power generating units with a soft drink system and fuel system valve (steam turbine speed control system with a control valve is not within this range).

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/T 1047 pipe element DN (nominal size) of the definition and selection (GB/T 1047-2005, ISO 6708.1995, MOD)

GB/T 1048 conduit elements PN (nominal pressure) of the definition and selection (GB/T 1048-2005, ISO /CD7268.1996, MOD)

GB/T 4213 pneumatic valve

GB/T 12221 metal valve structure length (GB/T 12221-2005, ISO 5752. 1982, MOD)

JB/T 3595 General Requirements Power Station Valve

JB/T 5223 industrial process control systems with long pneumatic actuators

JB/T 8219 industrial process measurement and control systems Electric Actuators

3 Terms

The following terms apply to this standard.

3.1 Process control system operated by the power means to regulate fluid flow. It consists

of actuator and valve. In accordance with the implementing agencies Signal the control system, changing the position of the throttle valve internal parts.

3.2 The signal is converted into a corresponding movement, change control means or mechanism regulating valve internal adjustment mechanism (orifice) position. The signal or The driving force may be pneumatic, electric, hydraulic, or any combination thereof.

3.3 Actual rise regulating valve, the maximum deviation decline curve and a predetermined characteristic curves. With a valve rated travel percent Numbers.

3.4 The maximum difference between the same input signal rises and falls between two values \u200b\u200bcorresponding stroke. With a valve rated travel percentage.

3.5 Input signal positive and negative changes in the direction of flow of the valve without causing any perceptible change in finite interval. Dead by adjusting the valve input