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water and boiler water**

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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	1
4 Water treatment method	4
5 General matters on water conditioning for feed water and boiler water	5
5.1 Water conditioning for feed water	5
5.2 Water conditioning for boiler water.....	5
5.3 Water conditioning for makeup water.....	6
5.4 When measured value of water conditioning control parameter deviates from control value	6
5.5 At start-up or during lay-up	6
6 Water conditioning of cylindrical boiler	6
6.1 Water conditioning for feed water of cylindrical boiler	6
6.2 Water conditioning for boiler water of cylindrical boiler	7
7 Water conditioning of special circulation boiler	9
7.1 Water conditioning of mono-tube special circulation boiler	9
7.2 Water conditioning of multitubular special circulation boiler.....	11
8 Water conditioning of water tube boiler and circulation boiler	15
8.1 Water conditioning of water tube boiler for industrial plants (when softened water is used)	15
8.2 Water conditioning of water tube boiler for industrial plants (when ion-exchanged water is used).....	18
8.3 Water conditioning of circulation boiler for power plants.....	27
9 Water conditioning of heat recovery steam generator for power plants	31
9.1 General	31
9.2 Water conditioning for feed water	31
9.3 Water conditioning for boiler water.....	32
10 Water conditioning of once-through boiler	33
10.1 Control parameters and control values of water conditioning	33
10.2 Notes on water conditioning	33
11 Quality of steam	41
11.1 Control parameters and control values for quality of steam	41
11.2 Notes on quality of steam	41

12	Tests	43
Annex A (informative)	Treatment method of boiler water	44
Annex B (informative)	Control parameters of water conditioning for boiler feed water and boiler water	90
Annex C (informative)	Water conditioning for makeup water	104
Annex D (informative)	General handling method when water conditioning control parameter deviates from control value	107
Bibliography		111

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Thermal and Nuclear Power Engineering Society (TENPES)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS B 8223**:2006 is replaced with this Standard.

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Water conditioning for boiler feed water and boiler water

Introduction

This Japanese Industrial Standard was established in 1961 and has gone through six revisions up to the present. The last revision was made in 2006, and the revision at this time is to respond to the subsequent actual operation and the technology advancements of boiler water treatment.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the water conditioning of feed water and boiler water for land boilers and marine steam boilers.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0126 *Glossary of terms for thermal power plants—Boilers and auxiliary equipment*

JIS B 0127 *Glossary of terms for thermal power plant—Steam turbines and auxiliary equipment of thermal and geothermal power plant*

JIS B 8224 *Boiler feed water and boiler water—Testing methods*

JIS K 0556 *Testing methods for determination of anions in highly purified water*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0126**, **JIS B 0127** and **JIS B 8224**, and the following apply.

3.1 normal operating pressure

maximum pressure in practical operation

3.2 evaporation rate of heating surface

amount of evaporation per hour in the unit area of evaporation [$\text{kg}/(\text{m}^2 \cdot \text{h})$]

3.3 Terms for land boiler

3.3.1 water tube boiler, circulation boiler

natural circulation or forced circulation boiler and once-through boiler of which the heating surface is made up of water tubes