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**Minimum Allowable Values of Energy Efficiency
and Energy Efficiency Grades for Rotary
Aerator in Wastewater Treatment**

污水处理用旋转曝气机能效限定值及能效等级

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Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard was proposed by and under the jurisdiction of Standardization Administration of PRC.

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Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Rotary Aerator in Wastewater Treatment

1 Scope

This Standard specifies the terms and definitions, energy efficiency grades, technical requirements and test methods for rotary aerator in wastewater treatment.

This Standard is applicable to the electric-motor-driven vertical shaft rotary aerator, horizontal shaft rotary aerator and self-priming impeller aerator used for various industrial wastewater and municipal sewage treatment process, and water reoxygenation,

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB 18613 Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Small and Medium Three-Phase Asynchronous Motors

JB/T 12579 Multi-Function High-Efficient Aerator

3 Terms and Definitions

For the purpose of this document, the terms and definitions given in JB/T 12579 and the following apply.

3.1 Energy efficiency ratio for rotary aerator

Under the specified test conditions, the ratio of the amount of oxygen delivered to the clean water with zero dissolved oxygen per unit time by the rotary aerator and the total energy consumption.

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