

## Technical Requirement for Environmental Products

### The Certificable Technical Requirement for Environmental Labelling Products

## Magnetic Electric Antiscale Hydrotreater

HJBZ 36—1999

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### 1 Scope

This technical requirement specifies definition, category, basic requirement, technical content and test method for environmental labelling products of magnetic electric antiscale hydrotreater.

This technical requirement should apply to products which prevent water from generating scale by principle of magnetism, electricity such as inter-magnetic hydrotreater, high frequency electromagnetic field electric hydrotreater, high static voltages field electric hydrotreater, low voltage field electric hydrotreater.

### 2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions of this standard. They have the same effectiveness as the technical requirement itself.

CJ/T 3066—1997 Inter-magnetic hydrotreaters

HG/T 3133—1998 Technical specification for electric hydrotreaters

In case of the criteria above are revised, the latest version should be applied.

### 3 Definition

3.1 "Inter-magnetic hydrotreaters" means products which prevent water from generating scale. This purpose is achieved by the way that water flow incise magnet wire at certain rate; various molecules, ions in water occur deformation by obtaining certain magnetic energy and then lose their capability of scaling. It shall mainly apply to circulating cooling water, hot water service system products, which the water temperature is within the range of 0°C—80°C and the scale is carbonate.

3.2 "Electric hydrotreater" refers to product that treat water by utilizing physical field (high frequency electromagnetic field, high static voltages field or low voltage electric field) to achieve the purpose of antiprecipitation, corrosion inhibition, sterilization and algae removal by the way of setting relevant electric parameters according to demand. It mainly applies to circulating water systems such as circulating cooling water, hot water circulation heating. Also, it may apply to hot water service system product that the water temperature is lower than 90°C.

### 4 Basic requirements

4.1 Quality of products should conform with the requirement in CJ/T3066—1997 or HG/T3133—1998.

4.2 Pollutant emission of the company should be obliged to conform with pollutant emission standards nationally or locally.

### 5 Technical contents

No antiscale chemical agents are allowed to be used in producing process.

### 6 Test

6.1 Contents of basic requirements should be verified by checking related testing reports.

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6.2 Requirements of technical contents should be verified by the way of checking products and relevant documents.

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**Annotations:**

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.