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

中华人民共和国国家标准

GB/T 7190.2-2008

Replace GB/T 7190.2-1997

**Glass fiber reinforced plastic cooling tower—
Part 2: Large glass fiber reinforced plastic
cooling tower**

玻璃纤维增强塑料冷却塔

第 2 部分：大型玻璃纤维增强塑料冷却塔

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China**

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Foreword

GB/T 7190 *Glass fiber reinforced plastic cooling tower* consists of two parts:

- Part 1: Middle and small glass fiber reinforced plastic cooling tower;
- Part 2: Large glass fiber reinforced plastic cooling tower.

This part will replace GB/T 7190.2-1997 *Glass fiber reinforced plastic cooling tower-Part 2: Large glass fiber reinforced plastic cooling tower*.

Comparison with GB/T 7190.2-1997, main changes of this part are as follows:

- Changed the calculation method of cooling capacity from water temperature drop correlation method to cooling water consumption correlation method. (Subclause A.7.5 in 1997 Edition, A.7.5 in this Edition);
- Added the evaluation example of thermal performance (see annex F).

Annex A, C, D, E of this part are normative annex, annex F is informative annex.

This part is proposed by China Building Materials Federation.

This part is under the jurisdiction of National Technical Committee on Fiber Reinforced Plastic of Standardization Administration of China.

The responsible drafting organizations are Beijing Composite Materials Co., Ltd, SCIVIC ENGINEERING CORPORATION, Xi'an University of Architecture and Technology, China Institute of Water Resources and Hydropower Research and Shanghai Jiaotong University.

The participation drafting organizations are Jiangsu Seagull Cooling Tower Co., Ltd, Zhejiang Lianfeng Co., Ltd, Dalian Sipinde Cooling Tower Co., Ltd, Guangzhou Lanxun Technology Development Co., Ltd, Nanjing Dayang Cooling Tower Co., Ltd, Shandong Kinflare Group Co., Ltd, Shandong Shuangyi Group Co.,Ltd, Shandong Liangchi Group Co., Ltd, Zhejiang Jinling Refrigeration Engineering Co., Ltd, Zhejiang Shangfeng Cooling Tower Co., Ltd, Guangzhou Sinro (Fogang) Air-conditioning & Cooling Equipment Co., Ltd and Beijing East Ruigang Technology Development Co., Ltd.

The chief drafting staff of this standard includes Yin Zheng, Zhou Changxi, Wang Dazhe, Zhao Shunan, Zhang Lichen and Liu Zhenyan.

This part was issued on 1987 for the first time and revised firstly on 1997, this is secondary revised.

Glass fiber reinforced plastic cooling tower—Part 2:

Large glass fiber reinforced plastic cooling tower

1 Scope

This part of GB/T 7190 specifies the product classification, technical requirements, test methods, inspection rules, marking, packaging, transportation, storage and others of the large cooling tower.

This part applies to the mechanical draft industry-type cooling tower with the cooling water capacity of no less than 1,000m³/h.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1033 Test method for density and relative density of plastics

GB/T 1040 Plastics-Determination of tensile properties

GB/T 1449 Fibre-reinforced plastic composites-Determination of flexural properties

GB/T 2406 Plastics—Determination of flammability by oxygen index

GB/T 2577 Test method for resin content of glass fiber reinforced plastics

GB/T 3854 Test method for hardness of reinforced plastics by means of Barcol impresser

GB/T 8924 Test method for flammability characteristics of fiber reinforced plastics—Oxygen index method

GB/T 13041 Packaging containers—Magnesium oxychloride concrete case

GB 50204 Code for acceptance of constructional quality of concrete structures

GB 50205 Code for acceptance of construction quality of steel structures

3 Terms and definitions

For the purpose of this standard, the following terms and definitions shall apply.

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