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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 143-2018

Replacing JG/T 143-2002

Aluminum column-wing type radiator

(English Translation)

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4.1 Classification

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is a revision of JG 143-2002 "heating radiator aluminum column airfoil radiator", compared with JG 143-2002 main technology the changes are as follows.

--- Removed the definition of the combined length;

--- Added classification;

--- Increased materials and structure;

---Modified work pressure;

--- Modified the nominal heat dissipation;

--- Removed the internal cavity anti-corrosion requirements;

---Modified the thread quality requirements;

--- Modified the method for determining the adhesion of the coating;

--- Added inspection item list;

--- Modified the inspection sampling plan;

--- Added instructions for use.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Building Environment and Energy Conservation Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

This standard was drafted. China Building Metal Structure Association, Qingdao

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Technological University, Tianjin Martin Kanghua Stainless Steel Products Co., Ltd., Guangdong Sun Flower HVAC Equipment Co., Ltd., Shandong Xinhuaxing HVAC Technology Co., Ltd., Zhejiang Rongrong Industrial Co., Ltd., Hulunbeier Lejiasan Heater Manufacturing Co., Ltd., Shenyang Shumeijia Radiator Factory, Tianjin Changhong Industrial Co., Ltd., Tianjin Binhai New Area Dagang Changjiang Radiator Limited Company, Zhejiang Sen Laite HVAC Equipment Co., Ltd., Cixi Tianrun Electric Industrial Co., Ltd., Tianjin Guangshun Aluminum Co., Ltd., China Construction Scientific Research Institute Co., Ltd., National Radiator Quality Supervision and Inspection Center, Beijing Building Materials Inspection and Research Institute Co., Ltd.

1 Scope

This standard specifies the classification and marking, material and structure, requirements, test methods, aluminum column airfoil radiator (hereinafter referred to as "heat sink"), Inspection rules, signs, instructions for use and certification, packaging, transportation and storage.

This standard applies to industrial and civil building heating systems, with a temperature not higher than 95 ° C and water quality in accordance with GB/T 29044-2012

4.5 The hot water specified is the heat sink of the heat medium.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 packaging storage and transportation icon GB/T 985.3 Recommended groove for aluminum and aluminum alloy gas shielded welding GB/T 1732 paint film impact resistance test GB/T 2828.1. Sampling and sampling procedures - Part 1 . Batch-to-batch sampling plan searched by the acceptance quality limit (AQL) GB/T 3190-2008 Chemical composition of deformed aluminum and aluminum alloy GB/T 5237.1 aluminium alloy building profiles - Part 1.

GB/T 7306.1 55° sealed pipe threads - Part 1. Cylindrical internal and conical external threads GB/T 9286 color and varnish paint film cross-cut test GB/T 9969 General guidelines for the use of industrial products GB/T 13754 heating radiator heat dissipation method HG/T.2006 thermosetting powder coating

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3 Terms and definitions

The following terms and definitions apply to this document.

A heat sink formed by a combination of an aluminum wing column tube and an upper and lower header tube.

Nominal heat dissipation the measured value of the sample is converted into heat dissipation when the length (L) is 1000 mm.

4.1 Classification

4.1.1

The radiator shall be divided into 300mm, 400mm, 500mm, 600mm, 700mm, 900mm according to the center distance of the same side inlet and outlet.

1200mm, 1500mm and 1800mm.

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