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

CJ/T 523-2018

Replacing CJ/T 3042-1995

**Peripheral drive sludge scraper for radial flow sedimentation
tank in water and sewage treatment plant
(English Translation)**

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Foreword

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

This standard replaces CJ/T 3042-1995 "Circumferential drive scraper for radial flow sedimentation tanks for sewage treatment". With CJ/T 3042-1995 the main technical changes are as follows.

- Added terms and definitions (see Chapter 3);
- Increased the type and schematic of the scraper (see 4.1, 3.1 of the 1995 edition);
- Increased the type of scraper (see 4.2);
- Modified the basic parameters of the scraper (see 4.3, 3.2 of the 1995 edition);
- Removed the main size table of the sedimentation tank, increased the size deviation of the sedimentation tank and the embedded parts (see Appendix A, 3.2.2 of the 1995 edition);
- Increased the requirements for the center swivel bearing (see 6.2);
- Increased the requirements for the scraper (see 6.5);
- Increased requirements for the draft tube (see 6.6);
- Modified security requirements (see 6.8);
- Increased rail and support installation, modified the requirements for the track (see Appendix B, 5.4 of the 1995 edition);
- Modified the performance requirements of the whole machine (see 6.10, 5.2 of the 1995 version);
- Revised test methods and inspection rules (see Chapter 7, Chapter 8, Chapter 6 of the 1995 edition);
- Modified marking, packaging, transportation and storage (see Chapter 9, Chapter 7 of the 1995 edition).

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 Municipal Water Supply and Drainage Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

This standard was drafted. China Municipal Engineering North China Design and Research Institute Co., Ltd., Wuxi General Machinery Factory Co., Ltd., Anhui State Environmental Protection and Energy Saving Technology Co., Ltd., Nantong Huaxin Environmental Protection Equipment Engineering Co., Ltd., Jiangsu Tianyu Environmental Protection Group Co., Ltd., Jiangsu Zhao Sheng Environmental Protection Co., Ltd., Lanshen Group Co., Ltd., Jinjian Environmental Protection Co., Ltd., Jinshan Environmental Protection Group Co., Ltd., urban and rural areas of Henan Province Planning and Design Research Institute Co., Ltd., Zhejiang Dean Technology Co., Ltd., Jiangsu Wuhuan Water Engineering Co., Ltd.

1 Scope

This standard specifies the terms and definitions, types and models of the peripheral mud scraper (hereinafter referred to as the "scraper") for the radial flow sedimentation tank for water treatment.

And basic parameters, general requirements,, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to the manufacture and inspection of scrapers in water treatment projects.

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 pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB/T 755 Rotating Electric Machine Quota and Performance (GB/T 755-2008, IEC 60034-1:2004, IDT) GB/T 3768 Acoustic sound pressure method for the determination of noise source sound power level (GB/T 3768-1996, eqvISO 3746..1995) GB/T 3797 electrical control equipment GB 4053.3 Fixed steel ladders and platforms - Safety requirements - Part 3. Industrial protective railings and steel platforms GB/T 4208-2008 enclosure protection grade (IP code) (GB/T 4208-2008, IEC 60529:2001, IDT) GB/T 4942.1-2006 The degree of protection (IP code) of the overall structure of rotating electrical machines (GB/T 4942.1-2006, IEC 60034-5:2000, IDT) GB 5226.1 Mechanical

electrical safety machinery and electrical equipment - Part 1. General technical conditions (GB 5226.1-2008, IEC 60204-1:2005, IDT) GB/T 8923.1-2011.Determination of surface cleanliness of steels before coatings -- Part 1 . uncoated the surface of the steel and the corrosion level and treatment grade of the steel surface after the original coating is completely removed (GB/T 8923.1-2011, ISO 8501-1:2007, IDT) GB/T 13306 signage General technical conditions for GB/T 13384 mechanical and electrical product packaging GB/T 17219 Safety evaluation criteria for drinking water distribution equipment and protective materials GB 18613-2012 Energy efficiency limit value and energy efficiency rating of small and medium-sized three-phase asynchronous motor GB 50205-2001 Steel structure engineering construction quality acceptance specification General specification for construction and acceptance of GB 50231 mechanical equipment installation engineering GB 50661 Steel Structure Welding Specification Conductive slip ring for HB6217 platform JB/T 2300 slewing ring JB/T 2839 brush holder and collector ring for motor JB/T 5000.12 General technical conditions for heavy machinery - Part 12. Painting SJ20893 Stainless Steel Pickling and Passivation Specification