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

GB/T 46595-2025

Integrated equipment of drainage pumping station

排水泵站一体化设备

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1 Scope

GB/T 46595-2025 is the Chinese national standard covering the prefabricated pumping station dropped into a hole as one unit - the glass fibre or steel chamber, the pumps and the level control, the odour and the ventilation, the access for maintenance, and the buoyancy of an empty tank in a high water table. At 21,500 words. First edition, under the Ministry of Housing and Urban-Rural Development. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document specifies the classification and model marking, general requirements, requirements, test methods, inspection rules, and standards for integrated drainage pumping station equipment. Labeling, packaging, transportation and storage. This document applies to the design, manufacturing, and inspection of integrated drainage pumping station equipment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 191 Pictorial Symbols for Packaging and Storage

GB/T 700-2006 Carbon Structural Steel

GB/T 1447 Tensile Properties Test Method for Fiber Reinforced Plastics

GB/T 1448 Test method for compressive properties of fiber-reinforced plastics

GB/T 1449 Test method for flexural properties of fiber-reinforced plastics

GB/T 1451 Test method for impact toughness of fiber-reinforced plastics in simply supported beams

GB/T 1458 Test Method for Mechanical Properties of Fiber-Wound Reinforced Composite Materials in Ring Specimens

GB/T 3091 Welded steel pipes for low-pressure fluid transportation

GB/T 3216-2016 Acceptance Tests of Hydraulic Performance of Rotary Power Pumps (Levels 1, 2 and 3)

GB/T 3280 Stainless steel cold-rolled sheet and strip

GB/T 3482 Test Method for Lightning Strike on Electronic Equipment

GB/T 3797 Electrical control equipment

GB/T 3854 Barcol Hardness Test Method for Reinforced Plastics

3 Polyolefin pipes

GB/T 8806 Determination of dimensions of plastic components in plastic piping systems

GB/T 9647 Determination of ring stiffness of thermoplastic pipes

GB/T 11115 Polyethylene (PE) Resin

GB/T 12785-2014 Test Methods for Submersible Pumps GB/T 13306 Nameplates

GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products

GB/T 14152 Test Method for Impact Resistance of Thermoplastic Pipes - Clockwise Rotation Method

GB/T 17889.2 Ladders - Part

9 Marking, Packaging, Transport and Storage

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1. Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Standardization of Urban Water Supply and Drainage (SAC/TC434). This document was drafted by: China Building Metal Structure Association, Shupengshi Environmental Technology (Changzhou) Co., Ltd., and Nanfeng Environmental Technology. (Hangzhou) Co., Ltd., Daibo Pumps (Qingdao) Co., Ltd., Shanghai Taipu Technology Co., Ltd., ETI Smart Water Technology Co., Ltd. Shandong Huali Water Supply Equipment Co., Ltd., Academy of Military Sciences National Defense Engineering Research Institute, and Northwest Survey and Design Institute of China Power Construction Group Co., Ltd. Company, Beijing Weiye Keda Environmental Engineering Co., Ltd., Guangzhou Baiyun Pump Industry Group Co., Ltd., Shanghai Liancheng (Group) Co., Ltd., Shanghai Zhong Han Du Ke Pump Manufacturing Co., Ltd., Hangzhou Haoshui Technology Co., Ltd., Frank Water (Group) Co., Ltd., Shanghai Yimai Industrial Co., Ltd. Company, Nanjing Aidesen Water Co., Ltd., Shandong Hongke Hydropower Equipment Co., Ltd., Jiangsu Baihai New Materials Co., Ltd., Ebara Machinery (China) Co., Ltd., Jinan Mike Valve Technology Co., Ltd., Tianjin Chentian Automation Equipment Engineering Co., Ltd., and Southern Smart Water Technology Co., Ltd. The company, Shanghai Granway Intelligent Control Technology Group Co., Ltd., Zhejiang Fushui Smart Water Co., Ltd., Zhejiang Leo Environmental Technology Co., Ltd. Yufu Pump Industry Group Co., Ltd., and Wujin District Water Resources Bureau of Changzhou City. The main drafters of this document are. Qin Yongxin, Wang GuanJun, Ni Zhonghua, Tan Qing, Fan Shuocheng, Sun Jingyu, Hu Xiaoliang, Fei Teng, Liu Zhiliang, and Lü Xia'e. Chen Qianqian, Zhou Ting, Ma Bo, Ma Long, Dou Haihua, Yang Guang, Lin Haiou, Shen Yuesheng, Liu Shiwei, Wang Ruming, Jiang Jufeng, Wang Junjie, Cai Hongfu, Xiao Minggui, Huang Wenping, Yang Haining, Huo Lin, Shen Jie, Zhong Zhibiao, Jiang Feng, Deng Yongbin, Pan Xiaobin. Integrated drainage pumping station equipment