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

CJ/T 472-2015

Replacing CJ/T 3038-1995

**Submersible sewage pump
(English Translation)**

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Foreword

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

This standard replaces CJ/T 3038-1995 "submersible sewage pump", compared with the CJ/T 3038-1995 main technical changes are as follows.

- Increasing the definition of submersible sewage pump (see Chapter 3);
- Increasing the volume ratio of solid phase in the transport medium (see Chapter 5, 1995 edition 6.2);
- Increase the submersible sewage pump submerged depth requirements (see Chapter 5);
- Increasing the performance requirements of over-current components of materials (see 6.2, 1995 version 6.27);
- Modify the performance requirements of the exposed fastener material (see 6.5, 1995 version 6.27);
- Improve the motor performance requirements (see 7.2, 1995 version 6.5 and 6.6);
- Increased motor vibration speed control range requirements (see 7.3.13);

- Increased surface preparation and painting requirements (see 7.6.3);
- Increase the average pre-failure time before running the requirements (see 7.3.3, 1995 version 6.23);
- Modify the test method, regulating the correspondence between requirements and test methods (see Chapter 8 and Table 1, 1995 edition 8 chapter);
- Increased transportation and storage requirements (see 10.3,10.4);
- Added Appendix C submersible sewage pump installation diagram (see Appendix C).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Municipal Standardization Technical Committee centralized.

This standard was drafted. Tianjin Aege Environmental Engineering Technology Co., Ltd., Jiangsu Asia Pacific Valve Co., Ltd., Leo Group Co., Ltd.

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1 Scope

This standard specifies the submersible sewage pump terms and definitions, type, type and basic parameters, working conditions, materials, requirements, test methods, Inspection rules, marking, packaging, transportation and storage.

This standard applies to the manufacture and testing of submersible sewage pumps containing liquids, solids, fibers and the like in conveying liquids.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs GB 755 rotating motor quotas and performance GB/T 1220 stainless steel rod GB/T 1348 ductile iron parts GB 1971 rotary motor line end signs and direction of rotation GB/T 2828.1 Sampling procedures for inspection - Part 1. Batch inspection sampling plan by acceptance quality limit (AQL) Hydraulic power - Acceptance tests for rotary power pumps Class 1 and Class Protection class (IP code) classification of the overall structure of a rotating electric machine GB/T 4942.1-2006 GB/T 5013.2 Rated voltage 450/750V and below rubber insulated cables - Part 2. Test methods GB/T 5013.4 Rated voltage 450/750V and below rubber insulated cables - Part 4. Cords and flexible

cables GB/T 9239.1-2006 Mechanical vibration constant (rigid) rotor balance quality requirements - Part 1. Specification and balance of tolerance test GB/T 9439 gray cast iron Submersible pump GB/T 12785 test method GB/T 13306 signs GB/T 13384 mechanical and electrical product packaging General technical conditions GB/T 17241.6 overall cast iron flange Technical requirements for painting of pump products JB/T 8680-2008 Y2 series (IP54) three-phase asynchronous motor technical conditions (frame size 63 ~ 355) JB/T 8687 sampling of pump products JB/T 8735.2 Rated voltage 450/750V and below rubber insulated cord and flexible cable Part 2. Universal rubber sheathed flexible cable JB/T 11923 submersible pump reliability assessment

3 Terms and definitions

The following terms and definitions apply to this document.

Connected with the motor into one, liquid work, the transmission of liquid containing dirt, solid particles, fibers and other pumps.