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CCS J71



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

GB/T 16907-2014

Replacing GB/T 16907-1997

Technical specifications for centrifugal pumps (Class I)

离心泵技术条件(I 类)

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Table of Contents

1 Scope	
2 Normative references	
3 Terms and Definitions	
4 Design	6
5 material	25
6 factory inspection and testing	27
7 shipping preparation	29
70 References	

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 16907-1997 "centrifugal technical conditions (I type)", compared with the GB/T 16907-1997, in addition to editorial Modify outside the main technical changes are as follows:

- The Preface was removed (see 1997 edition of ISO foreword);
- Remove the Introduction (see 1997 edition of the Introduction);
- Modify the scope of this standard (see Chapter 1, Chapter 1 of the 1997 edition);
- Revised standard normative references (see Chapter 2, Section 2 of the 1997 edition);
- Modified liquid NPSHR test use requirements (see 413, 1997 version 4.1.2.);
- Delete references ISO 427. 1983 and the references in the standard (see the 1997 edition of Appendix J and Appendix L). The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pump (SAC/TC211) centralized. This standard was drafted. on KSB Pumps Co., Ltd., Shanghai Electric Power Plant Co., Ltd. built, Hai Kai-chuen, Pump (Group) Co., The company, Deep Blue Nanjing Zhibeng Group Co., Ltd., Shandong Bo Pump Technology Co., Ltd., the New Territories Pump Group Co., Ltd., Hefei The new shield pump Shanghai Co., Ltd., Hunan Changsha Pump Electric Co., Ltd. Shandong wheel, Shandong Yanshanpumps Co. Secretary, Zhejiang Pump Technology Co., Ltd., Shenyang Institute of pumps. The main drafters of this standard. Pan Bing again, Pan Guomin, Luxi Ning, Chen Bin, Dilu Tao, Xu Mintian, Wang thin right, Li Qian, Wang Jiabin, Han Feng Jie, Chen Qian, Fan Hu Chang. This standard replaces the standards previously issued as follows:
- GB/T 16907-1997. Centrifugal technical conditions (I class)

1 Scope

GB/T 16907-2014 is the Chinese national standard on technical specifications for centrifugal pumps (class I), in the field of fluid systems and general-purpose components. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 6 May 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2014. Classification: ICS 23.080, CCS J71. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the centrifugal pump (hereinafter referred to as the pump) terms and definitions, design, materials, factory inspection and testing, shipment preparation, responsibility. This standard applies to industrial pumps under high demand conditions. This standard does not apply to storage pumps, oil, natural gas and heavy chemical industrial pumps.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3216 rotary power pump hydraulic performance acceptance tests - Grades 1 and

2 Determination of sound power levels of noise sources reflecting plane free field engineering method GB/T 3767 sound pressure

GB/T 4662 Rolling static load rating

GB/T 5661 suction centrifugal pumps mechanical seals and for soft packing cavity size

GB/T 6062 Geometrical product specifications (GPS) Surface texture Profile method of contact (stylus) instruments nominal characteristics

GB/T 6391 Rolling bearings - Dynamic load ratings and rating life

GB/T 7021 centrifugal Terminology Part 1

GB/T 7306.1 55 ° sealing pipe thread. inner cylindrical thread and taper external thread

GB/T 7307 55 ° non-sealing pipe thread

GB/T 9113 Integral steel pipe flanges

GB/T 9115 welded steel pipe flanges

GB/T 9239.1 Mechanical vibration steady state (rigid) rotor balance quality requirements -
Part 1. Specification and balance tolerance test

GB/T 15530 (all parts) Copper alloy flanges

3 Terms and Definitions

GB/T 7021 defined by the following terms and definitions apply to this document.

3.1 Normal conditions normalconditions Expected normal operating conditions.

3.2 Rated conditions ratedconditions Provisions to ensure that point working conditions,
including flow, head, power, efficiency, NPSH, suction pressure, temperature, density,
viscosity and speed.