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

CJ 266-2008

Replacing CJ 3064-1997

Safety regulations for cold potable water meters

饮用水冷水水表安全规则

(English Translation)

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Foreword

This standard is the national standard GB/T 778.1-1996 "cold water meter Part 1. Specification" (eqv ISO 4064-1:1993 "closed Measurement of water flow in pipes - Part 1. Specifications"), GB/T 778.3-1996 "Cold water meters - Part 3. Test methods and tests Equipment "(idt ISO 4064-3. 1983" Measurement of water flow in closed conduits - Drinking cold water meters - Part 3. Test methods and test equipment Prepared ") the specific requirements of the safety requirements.

Chapter 3 of this standard is mandatory.

This standard and CJ 3064-1997 "drinking water drinking safety regulations" compared to the main changes are as follows.

- 1) meter diameter expanded to 800mm;
- 2) increase the material requirements of the water meter case;
- 3) The individual dimensions of the pipe joint and the wet water meter cover have been adjusted;
- 4) Increased water meter material strength, durability and all water access parts and protective materials requirements.

Appendix A of this standard is normative appendix.

This standard is proposed by the Ministry of Construction standard quota research institute.

This standard by the Ministry of Water Supply and Drainage Products Standardization Technical Committee.

This standard was drafted. Beijing Water Group Beijing Katherine meter limited liability company, Ningbo Water Meter Co., Ltd., Fuzhou meter factory, Shanghai Water Meter Factory, Shanghai Water Supply Equipment Engineering Co., Ltd., Ningbo East China Sea Instrument Co., Ltd. water meter, water meter limited liability company, Suzhou Water Meter Co., Ltd., Lianyungang Lianli Water Meter Co., Ltd., Jiangxi Sanchuan Meter Co., Ltd., Nanjing Water Company Water

Table Factory, Tianjin Jin Instrument Co., Ltd., Tianjin Lianchang meter Technology Co., Ltd., Wuhan Arad meter Co., Ltd., Zhejiang Yongling water supply

Equipment Co., Ltd., Shandong Linyi Rongxiang Water Meter Manufacturing Co., Ltd., Shandong Linyi Lomon meter Manufacturing Co., Ltd., Guangzhou Water Company water Watch factory, Qinhuangdao Qin Xiang Special Glass Co., Ltd., Ningbo Zhongjing Copper Co., Ltd., Hangzhou Water Meter Co., Ltd.

1 Scope

This standard specifies the drinking water cold water meter safety requirements and test methods.

This standard applies to the common flow range of 0.6m³/h ~ 4000m³/h (with GB/T 778.1-1996 the provisions of Article 4.1 should be the nominal diameter of 15mm ~ 800mm), the maximum allowable working pressure (MAP) greater than or equal to 1MPa and the maximum allowable working temperature (MAT) is a 30 ° C water meter of different metering levels.

This standard applies only to pressure gauges such as water meters for the metal material of the water meter.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

GB/T 778.1-1996 cold water meter - Part 1. Specification (eqv ISO 4064-1.:1993) GB/T 778.3-1996 Cold water meter - Part 3. Test methods and test equipment (idt ISO 4064-3. 1983) GB/T 1176 casting copper alloy technical conditions (neq ISO 1338. 1977) GB/T 1348 ductile iron parts GB/T 1804-2000 General tolerances Tolerances for linear and

angular dimensions without tolerance (eqv ISO 2768-1. 1989) GB/T 2516 ordinary thread limit deviation GB/T 7306.1 55 ° sealing pipe thread Part 1. Cylindrical internal thread and conical thread (eqv ISO 7-1.:1994) GB/T 7307 55 ° non-sealed pipe thread (eqv ISO 228-1.:1994) GB/T 9439 gray cast iron GB/T 12230 general valve stainless steel castings technical conditions GB/T 14976 stainless steel seamless pipe for fluid transport Tempered glass for wet water meters

3.1 Water pressure requirements

The meter should be guaranteed to work safely under the maximum allowable working pressure.

3.2 Parts material requirements

3.2.1

All water contact parts and protective materials should be non-toxic, non-polluting, non-bioactive materials.

3.2.2

The materials used to make the water meter should have sufficient strength and durability to meet the requirements of the water meter. Pressure parts allowed to be used with the following phases Same or better material.

3.2.3

pressure parts of the material requirements shown in Table 1.

3.2.4

gray cast iron and ductile iron castings should be added to the inner surface of the protective material.

3.2.5

gray cast iron case in this standard approved after the implementation of 2 years shall not be installed in the drinking water network and the new dress.

3.3 Pressure parts size and weight requirements

3.3.1

The size and weight of the connecting nut produced by casting lead brass shall comply with the requirements of Appendix A2.1.