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

CJ/T 359-2016

Replacing CJ/T 359-2010

**Aluminium alloy and stainless steel body and connections of
water meters**

(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 359-2010 "aluminum water meter case and fittings." this standard is CJ/T 359-2010 "aluminum water case and fittings" revision, compared with the CJ/T 359-2010 main technology the changes are as follows.

- Increase the stainless steel case and fittings requirements (see all chapters, sections,);
- Increase the provisions of the torque applied to the pipe joints (see 4.6);
- Supplement factory inspection (see 6.2.1,6.2.2);
- Increase the factory inspection sampling method (see 6.2.3);
- Supplementary type test (see 6.3.1);
- Increase judgment rules (see 6.4);
- Increasing the aluminum case and pipe fittings installation requirements (see 7.2.2);
- Removed terms and definitions (see the 2010 edition of Chapter 3);
- Remove the aluminum case and fittings can be the same size, the same structure to replace cast copper, cast iron products, thread tolerance requirements in line with GB/T 197 (see 2010 version 4.4.3).

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 Standardization Technical Committee building centralized.

This standard was drafted. Sanchuan Wisdom Technology Co., Ltd., Hangzhou Water Meter Co., Ltd., Hunan Changde water meter manufacturing company, Wuxi Meter limited liability company, Haining Jiaye Construction Co., Ltd.

1 Scope

This standard specifies the aluminum alloy, stainless steel water meter case and meter cover, pipe fittings, connecting nuts (hereinafter referred to as the fittings) of the material to Requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to DN $\leq$ 40 all threaded drinking cold water meter and the temperature level is not higher than the T90 hot water meter Aluminum and stainless steel case and fittings.

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/T 228.1 Tensile testing of metallic materials - Part 1. Room temperature test method GB/T 231.1 Brinell hardness test of metallic materials - Part 1. Test methods GB/T 778.1-2007 Closed full pipe flow measurement - Drinking cold water meter and hot water meter - Part 1. Specifications GB/T 778.3-2007 Closed full pipe flow measurement - Drinking cold water meter and hot water meter - Part 3. Test side Law and test equipment GB/T 1804 General tolerances Tolerances for linear and angular dimensions without tolerances GB/T 2516 ordinary thread limit deviation GB/T 2828.1-2012 Sampling procedures for inspection - Part 1. batch acceptance inspection by acceptance quality limit (AQL) sampling plan GB/T 4957 non-magnetic base metal non-conductive coating thickness measurement of eddy current method Thermoplastics pipes for the conveyance of fluids - Resistance to internal pressure - Test method GB/T 6461-2002 Metallic substrates and metal and other inorganic coatings after corrosion test specimens and specimens of the rating GB/T 6462 metal and oxide coating thickness measurement microscopy GB/T 7306.1 55 ° sealing pipe threads - Part 1. Cylindrical and tapered male thread GB/T 7307 55 ° non-sealed pipe thread GB/T 7999 aluminum and aluminum alloy direct reading emission spectrometry GB/T 9438-2013 aluminum alloy castings GB/T 10125-2012 artificial atmosphere corrosion test salt spray test GB/T 11170 stainless steel content of multiple elements Determination of spark discharge atomic emission spectrometry (conventional method) GB/T 13384 mechanical and electrical product packaging General technical conditions GB/T 17219 drinking water distribution equipment and protective materials safety evaluation criteria GB/T 20878-2007 stainless steel and heat-resistant steel grades and chemical composition GB/T 20975.25 Methods for chemical

analysis of aluminum and aluminum alloys - Part 25. Inductively coupled plasma atomic
emission spectrometry CJ 266 drinking water cold water meter safety rules SN/T 2718
stainless steel Determination of chemical composition Inductively coupled plasma atomic
emission spectrometry