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

JJG 686-2015

Replacing JJG 686-2006 (Partial)

**Verification Regulation of Hot Water Meters
(English Translation)**

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3 Terminology and units of measurement (1)

3.1

The term (1)

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Introduction

This procedure is based on GB/T 778.1 ~ 3-2007 "closed conduits Measurement of water flow cold potable water and hot water ", the International Organization of Legal Metrology (OIML) International Recommendation OIMLR49-1.2013 (E)" measure the amount of potable water meter cold and hot water - Part 1. metrological and technical requirements ", OIMLR49-2.2013 (E) "Measurement potable cold water and hot water meters - Part 2. Test methods" as the basis for the preparation, combined with our hot water

Table manufacturing industry status and use of JJG 686-2006 body part subject to revisions. The main technical indicators and national

Assessment outline-style two specifications.

This procedure compared with JJG 686-2006 text, in addition to editorial changes, the major technical changes are as follows.

--- In order applies to the scope of the re-provision. In addition to mechanical water table, the increase based on electromagnetic or electronic Working principle water table; water table by the maximum operating temperature of 180 °C to 130 °C, and is represented by the temperature class;

Flow characteristics --- water table by Q1, Q2, Q3, Q4 OK, replace the original characteristics of the traffic sign;

--- Water table by Q3 (in m³/h units) and ratios flag Q3/Q1, Q2/Q1, and the provisions of the Department of the number of columns, an alternative expression of the original code and measurement meter level A, B, C, D of;

--- Verification Project Central Plains "visual inspection" with "the appearance and function of inspection";

--- Original test cycle "is generally not more than two years," the provisions of the State and to administrative departments for measurement compulsory verification the same management of measuring instruments;

The previous versions of this Recommendation published case.

--- JJG 686-1990 water table;

--- JJG 686-2006 water table.

Hot water test procedures

1 Scope

The order applies to the nominal diameter of not more than 300mm of hot water (hereinafter referred to as the water table) of the first seizure Set, and use the subsequent verification check.

The procedure referred to in hot water meter to measure water flow through closed conduits, temperature class T70 ~ T130 water meter, Including mechanical water table, water table is equipped with a mechanical electronic device, heat working principle based on electromagnetic or electronic Meter.

2. References

This procedure references the following documents.

JJG 162-2009 cold water JJG 164-2000 liquid flow standard device Measurement of water flow in closed conduits 778.1-2007 GB/T cold potable water and hot water first Part 1. Specification Measurement of water flow in closed conduits 778.2-2007 GB/T cold potable water and hot water first Part 2. Installation requirements Measurement of water flow in closed conduits 778.3-2007 GB/T cold potable water and hot water first Part 3. Test methods and equipment OIMLR49-1.2013 (E) measure potable cold water and hot water meters - Part 1. Measurement and Technology Surgery requires "Watermetersintendedforthemeteringofcoldpotablewaterandhotwater-Part 1. Metrologicalandtechnicalrequirements " OIMLR49-2.2013 (E) measure potable cold water and hot water meters - Part 2. Test methods "Watermetersintendedforthemeteringofcoldpotablewaterandhotwater-Part 2.

Testmethods "

For dated references, only the dated edition applies to this procedure; undated reference documents Member, the latest edition (including any amendments) applies to this procedure.

3 terminology and units of measurement

3.1 Terms

In addition to the terms set forth references JJG 162 outside, this regulation also cited the following terms.

3.1.1 Traffic Time Act flowrate-timemethod Flowing through the meter in the certification process by measuring the amount of water flow and results of time determined by the provisions of Repeated measurements once or more times to achieve within the flow of time. But to avoid the beginning of the test and the end of the non-constant Constant flow area instantaneous flow measurement.