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

GB/T 25403-2010

Test facilities for agricultural irrigation equipment

农业灌溉设备用试验装置

(English Translation)

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Foreword

This standard is identical with ISO/T R15155.2005 "Agricultural irrigation equipment test device" (in English).

This standard is equivalent translation ISO/T R15155.2005.

For ease of use, this standard made the following editorial changes.

The term --- the "Technical Report" to "this standard";

--- Delete foreword international standards;

--- Normative references added GB/T 19001 standard;

--- Delete Chapter 2 Note 1;

--- As an alternative to the decimal by decimal comma ",", ". ", ";";

--- Of ISO/T R15155. other international standards referenced in 2005, has been adopted as the country with the corresponding international standard in place standard.

The Standard Appendix A, Appendix B, Appendix C is informative appendix.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee (SAC/TC201) Agricultural machinery centralized.

This standard is mainly drafted by. Chinese Academy of Agricultural Mechanization Sciences, Zhejiang Institute of Mechanical and Electrical Co., Ltd. Zhejiang Feng ball pump Industry Co., Ltd., Zhejiang Friends of Motor Pump Co., Ltd., Zhejiang New Territories Pump Co., Ltd., Zhejiang pump product quality inspection center, National Electrical and Mechanical Components Product Quality Supervision and Inspection Center, Zhejiang valve product quality inspection center.

1 Scope

This standard specifies the evaluation of agricultural irrigation equipment test equipment system component design, selection, installation and use.

This standard applies to GB/T 17187, ISO 15886, GB/T 19794, GB/T 19793, GB/T 18688, GB/T 18689, GB/T 18691 Test method and GB/T 18692 regulations, to the irrigation system components, in particular the test drippers, sprinklers and valves offer Enough information.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 17187 Agricultural irrigation equipment - Emitters and emitting pipe - Specification and test methods (GB/T 17187-2009, ISO 9261:2004, IDT) GB/T 18688 Test method for pressure loss of agricultural irrigation equipment irrigation valves (GB/T 18688-2002, idtISO 9644.

1993)

GB/T 18689 Agricultural irrigation equipment - Manually operated small plastics valves (GB/T 18689-2002, eqvISO 9911.1993) GB/T 18691 Agricultural irrigation equipment check (GB/T 18691-2002, eqvISO 9952.1993) GB/T 18692 Agricultural irrigation equipment direct acting pressure regulator (GB/T 18692-2002, eqvISO 10552.1993) GB/T 19001 quality management system requirements (GB/T 19001-2008, ISO 9001:2008, IDT) GB/T 19793 Agricultural irrigation equipment hydrodynamic irrigation valves (GB/T 19793-2005, ISO 9635:1990, Irrigation equipment-Hydraulically operated irrigation valves, MOD) GB/T 19794 Agricultural irrigation equipment dosing valve technical requirements and test methods (GB/T 19794-2005, ISO 7714.

1995, MOD)

GB/T 27025-2008 testing and calibration laboratories General requirements (ISO/IEC 17025:2005, IDT) ISO 15886-1:2004 Agricultural irrigation equipment - Sprinklers - Part 1. Terminology and classification ISO 15886-3:2004 Agricultural irrigation equipment - Sprinklers - Part 3. water distribution characteristics and test methods

3 Terms and Definitions

The following terms and definitions apply to this standard.

Test device testbench Integration of the various components used for agricultural irrigation

equipment test, including water supply/water storage tank, pipes, fittings and instrumentation.

Test facilities testfacility Integrated valve used for agricultural irrigation, sprinklers and drippers test a variety of facilities, including water supply, test equipment and venues.

Effective NPSH netpositivesuctionheadavailable Centrifugal Impeller suction head minus the total available at the corresponding vapor pressure of water head.