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

GB/T 36702.2-2020

**Irrigation equipment - Safety devices for chemigation - Part 2:
Chemigation valve assemblies from DN 75 (3?) to DN 350 (14?)**

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Table of Contents

Foreword

75 (3 ") to DN350 (14") chemical irrigation valve assembly.

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB/T 36702 "Safety device for chemical irrigation of irrigation equipment" consists of the following parts.

--- Part 1. Small plastic valves for chemical irrigation;

--- Part 2. Chemical irrigation valve assemblies from DN75 (3 in) to DN350 (14 in).

This part is Part 2 of GB/T 36702.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

The translation method used in this part is equivalent to ISO 13693-2..2015 "Safety devices for chemical irrigation of irrigation equipment. Part 2. DN

75 (3 ") to DN350 (14") chemical irrigation valve assembly.

The documents in China that have a consistent correspondence with the normatively cited international documents in this section are as follows.

--- GB/T 18691.1-2011 Agricultural Irrigation Equipment Irrigation Valve Part 1. General Requirements (ISO 9635-1..2006, MOD).

The following editorial changes have been made in this section.

--- 5.8.1 mentioned 5.3.1, which is a typographical error and amended to 5.3.2.

This part is proposed by China Machinery Industry Federation.

This part is under the jurisdiction of the National Agricultural Machinery Standardization Technical Committee (SAC/TC201).

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1 Scope

This part of GB/T 36702 specifies the structure and performance requirements and test methods of metal chemical irrigation valves. The irrigation valve is suitable for

Water temperature does not exceed 50 degrees C, and the water may contain certain types and concentrations of fertilizers or chemicals commonly used in agricultural irrigation systems.

The valve is used to prohibit back pressure or backflow caused by back suction, and is not used in drinking water systems. Not to be confused with other forms of backflow preventers

Including pressure vacuum circuit breaker valve, double check valve, pressure relief valve, gooseneck ring. This section specifies the minimum design and structure of chemical irrigation valve components

Structural and performance test requirements. The following components are included.

- A valve body with a spring check valve with an elastic disc cover installed inside the sealing surface;
- A leak valve/vacuum relief valve combination located upstream of the check valve;
- A low pressure drain valve located upstream of the check valve;
- A check port setting is used to allow visual and manual inspection of the working components of the valve.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article

Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

ISO 9635-1..2014 Irrigation valves for agricultural irrigation equipment. Part 1. General requirements (Agriculturalirrigationequip-

ment-Irrigationvalves-Part 1. Generalrequirements)

EN1267..1999 Industrial valve uses water as a test fluid choking test

anceusingwaterasatestfluid)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Chemical irrigation valve

A valve with a chemical injection port that prevents the injected chemical from moving upstream.

3.2

Checkvalve

A valve that only allows water to flow in one direction.

3.3

Air vent

Vacuum relief valve vacuumreliefvalve

Automatically open during drainage of the pipe to allow air from the atmosphere to enter the pipe and/or discharge air to