

# Agricultural irrigation equipment — Irrigation valves —

## Part 2: Isolating valves

ICS 65.060.35

## National foreword

This British Standard was published by BSI. It is the UK implementation of ISO 9635-2:2006.

The UK participation in its preparation was entrusted to Technical Committee AGE/30, Irrigation and drainage equipment.

A list of organizations represented on AGE/30 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

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## **Agricultural irrigation equipment — Irrigation valves —**

### **Part 2: Isolating valves**

*Matériel agricole d'irrigation — Vannes d'irrigation —  
Partie 2: Vannes d'isolation*



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## Contents

Page

|                                                                                                         |           |
|---------------------------------------------------------------------------------------------------------|-----------|
| <b>Foreword</b> .....                                                                                   | <b>iv</b> |
| <b>1 Scope</b> .....                                                                                    | <b>1</b>  |
| <b>2 Normative references</b> .....                                                                     | <b>1</b>  |
| <b>3 Terms and definitions</b> .....                                                                    | <b>1</b>  |
| <b>4 Design requirements</b> .....                                                                      | <b>2</b>  |
| <b>5 Performance requirements</b> .....                                                                 | <b>2</b>  |
| 5.1 Mechanical strength .....                                                                           | 2         |
| 5.2 Watertightness and air-tightness .....                                                              | 4         |
| 5.3 Hydraulic characteristics .....                                                                     | 5         |
| 5.4 Resistance to chemicals and fertilizers .....                                                       | 5         |
| 5.5 Endurance .....                                                                                     | 6         |
| <b>6 Conformity assessment</b> .....                                                                    | <b>6</b>  |
| 6.1 General .....                                                                                       | 6         |
| 6.2 Type tests .....                                                                                    | 6         |
| 6.3 Control of production process and quality system .....                                              | 6         |
| <b>7 Marking</b> .....                                                                                  | <b>6</b>  |
| <b>8 Packaging</b> .....                                                                                | <b>6</b>  |
| <b>Annex A (normative) Test method for resistance of valves to operating loads</b> .....                | <b>8</b>  |
| <b>Annex B (normative) Torque requirements for gate valves to be operated by ring key and bar</b> ..... | <b>9</b>  |
| <b>Annex C (normative) Test method for operation of valves</b> .....                                    | <b>10</b> |
| <b>Annex D (normative) Test method for endurance of valves</b> .....                                    | <b>11</b> |
| <b>Annex E (normative) Method for sizing operating element</b> .....                                    | <b>12</b> |
| <b>Bibliography</b> .....                                                                               | <b>15</b> |

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9635-2 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 18, *Irrigation and drainage equipment and systems*.

This first edition of ISO 9635-2, together with ISO 9635-1, ISO 9635-3, ISO 9635-4 and ISO 9635-5, cancels and replaces ISO 9635:1990, of which it constitutes a technical revision.

ISO 9635 consists of the following parts, under the general title *Agricultural irrigation equipment — Irrigation valves*:

- *Part 1: General requirements*
- *Part 2: Isolating valves*
- *Part 3: Check valves*
- *Part 4: Air valves*
- *Part 5: Control valves*

# Agricultural irrigation equipment — Irrigation valves —

## Part 2: Isolating valves

### 1 Scope

This part of ISO 9635 specifies construction and performance requirements and test methods for isolating valves, intended for operation in irrigation systems with water at temperatures not exceeding 60 °C, which can contain fertilizers and other chemicals of the types and concentrations used in agriculture.

It is applicable to hydraulically operated isolating irrigation valves of DN 8 (1/4 inch) diameter or greater, designed to operate in the fully open and fully closed positions, but which can also operate for extended time periods in any intermediate position.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9635-1:2006, *Agricultural irrigation equipment — Irrigation valves — Part 1: General requirements*

ISO 9644, *Agricultural irrigation equipment — Pressure losses in irrigation valves — Test method*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 9635-1 and the following apply.

#### 3.1

##### **isolating valve**

valve intended for use only in the fully closed or fully open position

[EN 736-1]

#### 3.2

##### **full bore valve**

valve with a seat diameter of not less than 90 % of the internal diameter of the body end port

[EN 736-3]

#### 3.3

##### **clear way valve**

valve designed to have an unobstructed flow path which allows the passage of a theoretical sphere with a diameter which is not less than the inside diameter of the body end port

[EN 736-3]