

ICS 91.140
CCS P 41

CJ

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

CJ/T 257-2014

Replacing CJ/T 257-2007

**Aluminium alloy and stainless steel sluice gate
(English Translation)**

Issued on: June 12, 2014

Implemented on: December 1, 2014

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions
4 Structure type, basic parameters and materials
5 Requirements
6 Test method
7 Inspection rules
8 Logo, packaging, transportation and storage
Appendix A (informative) channel gate, attached gate structure type
Appendix B (informative) main parts of the gate material
Appendix C (Informative) Rubber Seals Physical and mechanical properties

Foreword

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

This standard replaces CJ/T 257-2007 "aluminum and stainless steel gate." this standard compared with CJ/T 257-2007, the main technical changes are as follows.

- Canceled casting metal seal structure type;
- Remove the accessories carbon steel parts material;
- Modify the material design safety factor values;
- Modify the amount of leakage;
- Increase the maximum working pressure water file;
- Increase the number of opening and closing cycle test requirements;
- Added Appendix B (informative) the main parts of the gate material table;
- Added Appendix C (informative) rubber seal mechanical properties of the table.

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 Municipal Standardization Technical Committee centralized.

This standard was drafted. China Construction Metal Structure Association, Shanghai Guanlong Valve Machinery Co., Ltd., Shanghai and Shanghai Airlines Valve Co., Ltd. Ann Copper are fluid Technology Co., Ltd., Anhui Hongxing Valve Co., Ltd., Jinan Meade Casting Co., Ltd., Hangzhou Chunjiang Valve Co., Ltd.

Division, Wuhan Dayu Valve Co., Ltd., Zhuzhou South Valve Co., Ltd., Danyang Nuclear Su Valve Butterfly Valve Co., Ltd., Ningbo Huacheng Valve Door Co., Ltd., Jing Jia Valve Group Co., Ltd., Nantong Huaxin Environmental Protection Equipment Engineering Co., Ltd., Germany Valve Machinery (Shanghai) Co., Ltd.

1 Scope

This standard specifies the town water supply and drainage with soft seal aluminum alloy and stainless steel gate (hereinafter referred to as the gate) terms and definitions Configuration and basic parameters, materials, requirements, inspection and test methods, inspection rules, signs, packaging, transportation and storage.

This standard applies to the nominal size of 200mm x 200mm and above, the maximum working pressure of 0.1MPa town water supply and drainage gates.

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 983 stainless steel electrode GB/T 985.3 aluminum and aluminum alloy gas welding recommended groove GB/T 1220 stainless steel rod GB/T 3190 Deformed aluminum and aluminum alloy chemical composition GB/T 3280 stainless steel cold-rolled steel sheet and strip GB/T 3669 aluminum and aluminum alloy electrode GB/T 3880.1 General industrial aluminum and aluminum alloy sheet, strip - Part 1. General requirements GB/T 4237 stainless steel hot-rolled steel sheet and strip GB/T 5796.3 Trapezoidal thread - Part 3. Basic dimensions GB/T 5796.4 Trapezoidal thread - Part 4. Tolerances GB/T 6388 transport packaging shipping symbols GB/T 9969 Industrial Products Manual General GB/T 12220 common valve logo GB/T 17219-1998 Drinking water distribution equipment and protective materials safety evaluation criteria

3 Terms and definitions

The following terms and definitions apply to this document.

Sluiceway sluice

Water supply, drainage and other hydraulic structures in the open water intake, ponds, channels and other occasions, through the manual, electric, hydraulic or pneumatic and

other means of driving, used to cut off or connect the water flow, adjust the water level and water level equipment.

Door penstockdoor

Vertical movement in the gate aperture for water and water level adjustment components.

Doorframe penstockframe Fixed, supporting door panel components.