

ICS 23.060.40; 25.040.40
CCS N 16



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

GB/T 17213.5-2008

Replacing GB/T 17213.5-1998

Industrial-process control valves -- Part 5: Marking

工业过程控制阀 第5部分: 标志

(English Translation)

Issued on: June 30, 2008

Implemented on: January 1, 2009

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Specification
- 4.1 Nominal flag

Foreword

GB/T 17213 "Industrial process control valves" is divided into the following sections.

--- Part 1. Control valve terminology and general provisions (GB/T 17213.1-1998, eqv IEC 60534-1. 1987)

--- Part 2-1. Flow capacity is calculated under installation conditions fluid flow (GB/T 17213.2-2005, IEC 60534-2-1:1998, IDT)

--- Part 2-3. Flow capacity - Test procedures (GB/T 17213.9-2005, IEC 60534-2-3:1997, IDT)

--- Part 2-4. Flow capacity - Inherent flow characteristics and rangeability (GB/T 17213.10-2005, IEC 60534-2-4.

1989, IDT)

--- Part 3-1. Dimensions two straight ball through the control valve from the flange face and two-way ball valve angle control center of the flange to the flange Spacing end face (GB/T 17213.3-2005, IEC 60534-3-1,2000, IDT)

--- Part 3-2. Cross-size rotary control valves (except butterfly) distance (GB/T 17213.11-2005, IEC 60534-3-2:2001, IDT)

--- Part 3-3. Dimensions butt-type two-pass straight ball valve from the control terminal (GB/T 17213.12-2005, IEC 60534-3-3:1998, IDT)

--- Part 4. Inspection and routine testing (GB/T 17213.4-2005, IEC 60534-4:1999, IDT)

--- Part 5. Flag (GB/T 17213.5-2008, IEC 60534-5:2004, MOD)

--- Part 6-1. positioners and control valve actuator connected to the installation details of the positioner mounted on linear actuators of (GB/T 17213.6-2005, IEC 60534-6-1:1997, IDT)

--- Part 6-2. positioners and control valve actuator connected to the installation details of the

positioner mounted on rotary actuators (GB/T 17213.13-2005, IEC 60534-6-2:2000, IDT)

--- Part 7. Control valve data sheets (GB/T 17213.7-1998, eqv IEC 60534-7. 1989)

--- Part 8-1. Noise considerations - Laboratory measurement within the aerodynamic noise generated by flow through control valves (GB/T 17213.8-1998, idt IEC 60534-8-2:1991)

--- Part 8-2. Noise (GB/T 17213.14- within Noise considerations - Laboratory measurement of hydrodynamic flow through control valves produced 2005, IEC 60534-8-2:1991, IDT)

--- Part 8-3. Noise considerations aerodynamic flow through control valves produce noise prediction method (GB/T 17213.15-2005, IEC 60534-8-3:2000, IDT)

--- Part 8-4. Consider hydrodynamic flow through control valve noise generated by the noise prediction method (GB/T 17213.16-2005, IEC 60534-8-4:1994, IDT) this section GB/T 17213 Part 5.

The partial modification using IEC 60534-5:2004 "Industrial process control valves - Part 5. Flag" (in English).

This part of IEC 60534-5:2004 is the difference between.

--- Removed Normative references ISO 5209:1997 "Universal Valve logo" because the file is not mentioned in the provision;

--- An increase of 3 Note 4.1, an increase of nominal pressure PN series and to sign and logo in the form of a corresponding relationship between the level Department of representation;

--- Body Table 1 item 7 and 9 according to IEC 60534-5:2004 Note 2 clearly stated as follows. supplementary (S) and mandatory (M) flags side by side.

Increased content in a standard text of the provisions relating to the margin with a single vertical line identification.

For ease of use, this part of the press in the development of GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and drafting Rules "and GB/T 20000.2-2001" Standardization Guide Part 2. the relevant provisions of the rules of international standards "made as by editorial changes.

a) "IEC 60534 this part" to "GB/T 17213 in this section";

b) Remove the preface international standards;

c) a reference to the original standard key words according to the provisions GB/T 1.1-2000 changed to normative documents referenced introductory phrase;

d) Normative references A list of documents according to the provisions of GB/T 1.1-2000 re-arranged.

This Part replaces GB/T 17213.5-1998 "Industrial process control valves - Part 5. flag." the main difference between this part and GB/T 17213.5-1998 follows.

--- Update normative references;

--- Increase the nominal series of statements;

--- To increase the PN flag and mark in the form of correspondence between the expression level relationship;

--- Table reflects the mandatory signs and supplementary signs 1 position by IEC 60534-5:2004 "Industrial process control valves - Part 5.

Marks "(English version) arrangement;

--- Body Table 1 item 7 and 9 according to IEC 60534-5:2004 Note 2 clearly stated as follows. supplementary (S) and mandatory (M) flags side by side.

This part is proposed by China Machinery Industry Federation.

This part of the measurement and control of industrial processes by the National Standardization Technical Committee at its first Technical Committee (SAC/TC124/SC1) Centralized.

This section is responsible for drafting unit. Shanghai Institute of Industrial Automation Instrumentation.

Participated in the drafting of this section. Shanghai Automation Instrumentation System Inspection and Testing Institute, Shanghai West to send Egyptian instrument packages Limited, Ningxia silver Star Energy shares Wuzhong Instrument Co., Ltd. Tianjin proficient control instruments, Shanghai Automation Instrumentation Co., Ltd. Automation Instrumentation seven plants, Anshan controlled Instrument (Group) Co., Ltd. Chongqing Sichuan Instrument Plant 11.

1 Scope

GB/T 17213 provisions of this part of the supplementary compulsory flag and flag control valve. Some mandatory flag may not apply to a Some special structure of the control valve, and some supplementary sign may only apply to a particular type of control valve. This part of the recommendation, unless the manufacturer and the Buyer otherwise agreed, marking the various valves shall comply with the provisions of this section.

2 Normative references

The following documents contain provisions which, through GB/T 17213 reference in this text, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this

section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 17213.1 industrial process control valves - Part 1. Control valve terminology and general provisions (GB/T 17213.1-1998, eqv IEC 60534-1. 1987) ISO 7005 (all parts) metal flange EN19 industrial valves metal valves logo EN1092 (all parts) Flanges and their joints of pipes, valves, fittings and accessories, PN flag round flange EN1333 pipe part of the definition and selection of PN

3 Terms and Definitions

GB/T 17213.1 and GB/T 17213 and other parts of the establishment of the following terms and definitions taken from EN19 apply to this section.

The whole cast, forged or stamped in the valve body or bonnet/valve cover logo.

Securely fixed to the body or bonnet/valve cover, labeled with one or more mandatory logo metal plate.

Securely fixed to the control valve, marked with the supplementary symbol or other signs metal plate.

4.1 Nominal flag

Nominal pressure PN can sign or symbol in a hierarchical manner, signs shall comply with ISO 7005, EN1092, or EN1333.

Note 1: PN (Unit. 1/10 MPa; 1/10MPa) flag nominal series. PN2.5, PN6, PN10, PN16, PN20, PN25, PN40, PN50, PN64, PN100, PN110, PN160, PN250, PN260, PN320, PN420, PN1600, PN2500.

Note 2: The rating form (Unit. psi) Nominal flag series. 125, 150, 250, 300, 400, 600, 900, 1500, 2500.

Note 3: In a hierarchical form of correspondence between the nominal pressure PN flag with the symbol. PN20. 150 Ji; PN50. 300 Ji; PN64. 400 Ji; PN110.

600; PN160. 900 Ji; PN260. 1500 Ji; PN420. 2500 levels.