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GB/T 12220-2015

Replacing GB/T 12220-1989

Industrial Valves - Marking

工业阀门 标志

(ISO 5209-1977, General purpose industrial valves - Marking, MOD)

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Foreword

This standard is drafted according to the rules provided in GB/T 1.1-2009.

This standard replaces GB/T 12220-1989 "General Valve - Marking". Compared with GB/T 12220-1989, the main technical changes of this standard are as follows:

- Modify the standard name;
- Modify the original marking's item list, which is divided into Table 1 (marking which must be used) and Table 2 (other markings), so that the items are marked clearly and specifically, which meets the needs of the relevant regulations;
- Change the original "pressure parts material code" into "body material designation" and "bonnet material designation";
- Add the applicable media, paired sealing material designations, flow coefficient, maximum allowable operating differential pressure, operating pressure range at valve inlet and outlet end, set pressure, flow area or flow diameter, rated discharge or rated discharge coefficient, opening height and other markings as well as the marking content of special types of valves;
- Delete the quality and test marking, inspection personnel stamp etc.;
- Add the marking requirements and general marking;
- Change the labelings not less than DN50 AND the markings more than DN50 INTO the labelings not less than DN32 AND the markings more than DN320.

This standard, using re-drafting method, modifies-adopts ISO 5209-1977 "General Industrial Valve - Marking" (English version).

Compared with ISO5209-1977, this standard has many adjustments in the structure, and adds some new content. The main technical differences are as follows:

- Add the normative references and corresponding references;
- Add marking requirements;
- Add the marking of characteristic parameters of regulating valves, reducing valves and safety valves;
- Change the labelings not less than DN50 AND the markings less than DN50 INTO the labelings not less than DN32 AND the markings less than DN320.

This standard was proposed by China Machinery Industry Federation.

The standard shall be under the jurisdiction of the National Valve Standardization

Industrial Valves - Marking

1 Scope

This standard specifies the contents of marking and labeling methods of industrial valves.

This standard applies to industrial metal valves. If any valve product standard is inconsistent with this standard, the requirements of the valve product standard prevail. For other valves, it can be implemented by referring to this standard.

2 Normative References

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

GB/T 1047 Pipework Component - Definition and Selection of DN (Nominal Size) (GB/T 1047-2005, ISO 6708:1995, MOD)

GB/T 1048 Pipework Component - Definition and Selection of PN (Nominal Pressure) (GB/T 1048-2005, ISO/CD 7268:1996, MOD)

GB/T 7306 (All Parts) Pipe Threads with 55 Degree Thread Angle Where Pressure-tight Joints Are Made on the Threads (GB/T 7306.1~7306.2-2000, eqv ISO 7-1:1994)

GB/T 7307 Pipe Threads with 55 Degree Thread Angle Where Pressure-Tight Joints Are not Made on the Threads (GB/T 7307-2001, eqv ISO 228-1:1994)

GB/T 9113 Integral Steel Pipe Flanges

GB/T 12716 Pipe Threads with 60 Degree Thread Angle Where Pressure-Tight Joints Are Made on the Threads

3 Marking Content

3.1 Marking which must be used by valve

See Table 1 for the marking which must be used by the valves of nominal size not less

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