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**INTERNATIONAL STANDARD**



**5209**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## **General purpose industrial valves — Marking**

*Appareils de robinetterie industrielle d'usage général — Marquage*

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## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standard by the ISO Council.

International Standard ISO 5209 was developed by Technical Committee ISO/TC 153, *General purpose industrial valves*, and was circulated to the member bodies in May 1976.

It has been approved by the member bodies of the following countries :

Australia	India	South Africa, Rep. of
Austria	Italy	Spain
Belgium	Japan	Sweden
Canada	Mexico	Switzerland
Chile	Netherlands	Turkey
Denmark	New Zealand	United Kingdom
Finland	Norway	Yugoslavia
France	Philippines	
Germany	Poland	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

U.S.A.  
U.S.S.R.

# General purpose industrial valves – Marking

## 0 INTRODUCTION

The purpose of this International Standard is to establish certain basic requirements for the marking of valves and to give recommendations for additional information markings.

This International Standard has, in general, to be considered in conjunction with the specific requirements of International Standards for individual types of valves or any specific requirements which may be agreed between a manufacturer and a purchaser.

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies mandatory and optional markings of general purpose industrial valves and states the manner of applying the markings, i.e. on the body, on a flange, or on an identification plate. Markings on the body may be integral with the body or on a plate securely fixed to the body. The material of this plate, which is distinct from the identification plate mentioned above, and the method of fixing to the body will be specified in the International Standard for the individual type of valve.

## 2 PRODUCT CLASSIFICATION AND DESIGNATION

### 2.1 Requirements

As the physical size of a valve governs applicable marking practice, different requirements are specified for valves of large dimensions (DN 50 and above) and for those of smaller dimensions (smaller than DN 50).

## 2.2 Explanatory notes

**2.2.1** The table lists those items which may be included in International Standards for individual types of valve.

**2.2.2** International Standards for individual types of valve will list mandatory and optional markings and specify the position, viz. the body, flange, or identification plate, in which they are to appear.

### 2.3 Valves of DN 50 and above

**2.3.1** Items 1 to 4 in the table are mandatory and shall be marked on the body of the valve.

**2.3.2** Items 5 and 6 are mandatory only when so specified in the International Standard appropriate to the individual type of valve and are then to be marked on the body and flange respectively.

**2.3.3** Items 7 to 19 are optional unless specified otherwise in the International Standard appropriate to the individual type of valve and may, when marked, be on the body or the identification plate.

### 2.4 Valves smaller than DN 50

The items which are mandatory will be defined in the International Standard appropriate to the individual type of valve, which will specify whether they are to be marked on the body or on the identification plate.

**2.5 Additional markings**

A manufacturer having complied with the above requirements and those of the International Standards appropriate to the individual types of valve is not :

a) precluded from marking any of the items in the table additionally in a place other than that specified; for

example if a marking is mandatory on the body it may also be repeated on the identification plate;

b) precluded from adding any other markings, for example catalogue item numbers, providing that there is no risk of confusion between these markings and those of the table.

TABLE – Valve markings

Item	Markings
1	Size designation* (DN)
2	Nominal pressure rating of valve* (PN)
3	Material designation for pressure containing parts**
4	Manufacturer's name and/or trademark
5	Arrow for direction of flow
6	Ring joint number
7	Limiting temperature rating (°C)
8	Thread identification
9	Limiting pressure rating (bar)
10	Identification number
11	Standard number
12	Melt identification
13	Trim identification
14	Service symbols
15	Valve lining
16	Quality and test labels
17	Inspector's stamp
18	Year of manufacture
19	Flow characteristic

\* Refer to appropriate International Standards.

\*\* Preferably ISO reference.