Third edition
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Metal valves for use in flanged pipe systems — Face-to-face and centre-to-face dimensions

Appareils de robinetterie métalliques utilisés dans les tuyauteries à brides — Dimensions face-à-face et face-à-axe

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 153, *Valves*.

This third edition cancels and replaces the second edition (ISO 5752:1982), which has been technically revised.

The main changes compared to the previous edition are as follows:

— extension to PN 63; PN 100; PN 160; PN 250; PN 320; PN 400; deletion of PN 1; PN 1,6; PN 4;

— extension to Class 900; Class 1 500; Class 2 500;

— addition of DN 1 050; deletion of DN 550;

— deletion of Table 1 (Isobaric) and Table 10 (copper alloy);

— update of the basic series in Table 1;

— update of the face-to-face and centre-to-face dimensions in Tables 2 to 19;

— addition of an informative Annex B giving the relationship between DN and NPS;

— addition of an informative Annex C giving the origin of each basic series.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The aim of this document is to establish face-to-face and centre-to-face dimensions for metal valves to permit a degree of dimensional interchangeability. They are intended to be used in valve product standards.

Although the tables of face-to-face dimensions in this document represent a considerable rationalization of international practices, it has not been possible to reduce these to a single series of dimensions for the various types of valves. Alternatives have been included. For convenience these have been called short, medium and long, but these terms are not used in a descriptive sense.

The pressure/temperature ratings for the different types of valves are those to be specified for the type of valves and materials used.

The principle of establishing dimensions in this document is that, first, there exists an ISO industrial valve standard covering that product, in its size and pressure rating, and second, certain valve types are of significant international demand and their use justifies inclusion in this document.