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Irish Standard
I.S. EN 12982:2009

Industrial valves - End-to-end and centre-to-end dimensions for butt welding end valves

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I.S. EN 12982:2009

EUROPEAN STANDARD

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EN 12982

August 2009

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English Version

Industrial valves - End-to-end and centre-to-end dimensions for butt welding end valves

Robinetterie industrielle - Dimensions entre extrémités et d'extrémité à axe des appareils de robinetterie à souder en bout

Industriearmaturen - Baulängen für Armaturen mit Anschweißenden

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Foreword

This document (EN 12982:2009) has been prepared by Technical Committee CEN/TC 69 “Industrial valves”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2010, and conflicting national standards shall be withdrawn at the latest by February 2010.

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Introduction

The basic series given in this European Standard are taken from the original series shown in Annex A. Changes made to the original series will not be automatically incorporated into this European Standard.

The progress in work in the standardization of the different products may require a revision of this European Standard by adding or subtracting some basic series.

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1 Scope

This European Standard specifies the end-to-end and centre-to-end dimensions for steel butt-welding end valves with connecting dimensions of welding ends in compliance with EN 12627, used in PN and Class designated piping systems.

The range of PN is:

— PN 10; PN 16; PN 25; PN 40; PN 63; PN 100; PN 160; PN 250; PN 320; PN 400.

The range of Class is:

— Class 150, Class 300, Class 600, Class 900, Class 1 500, Class 2 500.

The range of nominal size is:

— DN 8; DN 10; DN 15; DN 20; DN 25; DN 32; DN 40; DN 50; DN 65; DN 80; DN 100; DN 125; DN 150; DN 200; DN 250; DN 300; DN 350; DN 400; DN 450; DN 500; DN 600; DN 700; DN 750; DN 800; DN 900, DN 1 000; DN 1 200.

NOTE 1 DN 750 is not applicable to PN designated valves.

NOTE 2 See Annex B for the relationship between nominal size (DN) and nominal pipe size (NPS).

NOTE 3 Valves having welding end profiles different from those specified in EN 12627, may use the same dimensions than those specified in Table 1.

2 Normative references

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

EN 736-1:1995, *Valves — Terminology — Part 1: Definition of types of valves*

EN 736-2:1997, *Valves — Terminology — Part 2: Definition of components of valves*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 736-1:1995 and EN 736-2:1997 and the following apply.

3.1
end-to end dimensions (ETE)
distance expressed between the ends of the body for straight pattern valves other than those with flanged ends

3.2
centre-to-end dimensions (CTE)
distance expressed between one of the ends of the body and the centre of the body for angle pattern valves other than those with flanged ends

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