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Vacuum technology — Mounting dimensions of pipeline fittings —

Part 2: Knife-edge flange type

Technique du vide — Dimensions de montage des raccords de conduit —

Partie 2: Brides de type à guillotine

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Foreword

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This document was prepared by Technical Committee ISO/TC 112, *Vacuum technology*.

This second edition cancels and replaces the first edition (ISO 9803-1:2007), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

The changes compared to the previous edition are as follows:

— The normative references have been updated.

— References [1] and [2] have been updated.

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Introduction

ISO 9803:1993 defined only those pipeline fittings whose flanges are non knife-edge type, as defined in ISO 1609:1986 and ISO 2861-1:1974. The previous revision divided ISO 9803 into two parts:

— ISO 9803-1, in which fittings with non knife-edge flanges are defined, and

— this part of ISO 9803, in which fittings with knife-edge flanges as specified in ISO 3669 are defined.

This document deals with dimensions of pipeline fittings whose flanges are of knife-edge type, as defined in ISO 3669.

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Vacuum technology — Mounting dimensions of pipeline fittings —

Part 2: Knife-edge flange type

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1 Scope

This document specifies mounting dimensions for vacuum pipeline fittings (elbows, tees and crosses) of knife-edge flanges for nominal bores from 16 mm to 200 mm.

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.

ISO 3669, *Vacuum technology — Dimensions of knife-edge flanges*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3669 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

4 Requirements

4.1 Mounting dimensions of the vacuum pipeline fittings shall be as specified in Table 1. See Figures 1 to 3.

4.2 Flange dimensions shall be as specified in ISO 3669. One or more flange should be rotatable.

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