

Mating dimensions between differential pressure (type) measuring instruments and flanged-on shut-off devices up to 413 bar (41,3 MPa)

The European Standard EN 61518:2001 has the status of a
British Standard

ICS 17.100

National foreword

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English version

**Mating dimensions between differential pressure (type)
measuring instruments and flanged-on shut-off devices
up to 413 bar (41,3 MPa)
(IEC 61518:2001)**

Dimensions des raccords entre
les instruments de mesure à différentiel
de pression et les dispositifs d'arrêt sur
bride allant jusqu'à 413 bar (41,3 MPa)
(CEI 61518:2001)

Anschlussmaße zwischen Wirkdruck-
Messgeräten und angeflanschten
Absperrorganen bis 413 bar (41,3 MPa)
(IEC 61518:2001)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 65B/415/FDIS, future edition 1 of IEC 61518, prepared by SC 65B, Devices, of IEC TC 65, Industrial-process measurement and control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61518 on 2001-01-01.

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- latest date by which the EN has to be implemented
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- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-01-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61518:2001 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

In a process, many shut-off devices (manifolds) are flanged direct on to the differential pressure (type) measuring instrument (instrument).

Very often, however, the shut-off device and the measuring device are supplied by different manufacturers. It is, therefore, essential to have the mating dimensions properly defined. In the process industry, leakages must be avoided. In some plants, especially in processes involving flammable or toxic gases, such a leakage can lead to risks to the plant, to its installations, to the environment, and last, but not least, to personal safety of human beings.

In view of accidents reported from various locations, where the accident was caused by leakage between the instrument and the manifold, it was found necessary to standardize the mating dimensions, with its tolerances, for this combination.