

International Standard



7268

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

Pipe components — Definition of nominal pressure

Tuyauterie — Définition de la pression nominale

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 Standards by the ISO Council.

International Standard ISO 7268 was developed by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*, and was circulated to the member bodies in November 1980.

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

Belgium	India	Norway
Brazil	Ireland	South Africa, Rep. of
Canada	Israel	Spain
Czechoslovakia	Italy	Sweden
Finland	Japan	Switzerland
France	Korea, Dem. P. Rep. of	United Kingdom
Germany, F.R.	Korea, Rep. of	USA
Hungary	Netherlands	

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

Australia
Poland
Romania
USSR

Pipe components – Definition of nominal pressure

1 Scope and field of application

This International Standard gives the definition of nominal pressure when applied to components of a metallic piping system, and states two series of PN ratings for use with these same components.

2 Definition

nominal pressure (PN) : A numerical designation relating to pressure that is a convenient round number for reference purposes.

It is intended that all equipment of the same nominal size (DN) designated by the same PN number shall have the same mating dimensions appropriate to the type of end connections.

The permissible working pressure depends upon materials, design and working temperature and has to be selected from the pressure/temperature rating tables in corresponding standards.

3 Series of ratings for flanges

The ratings for flanges shall be selected from :

Series 1*	Series 2*
PN 10	PN 2,5
PN 16	PN 6
PN 20	PN 25
PN 50	PN 40
PN 100	
PN 150	
PN 250	
PN 420	

* Series 1 ratings are the basic ratings and Series 2 ratings those which will be constantly monitored for possible deletion, with PN 40 having a limited application.