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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 9114-2010

Replacing GB/T 9114-2000

**Hubbed screwed steel pipe flanges
(English Translation)**

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Type and size

Foreword

GB/T 9112 ~ 9124-2010 "steel pipe flanges" series Standard is a modified ASMEB16.5-2009 "pipe flanges and flanged pipe Member (NPS1/2 ~ NPS24) "and EN1092-1:2007" Flanges and their connecting pipes, valves, fittings and accessories, circular flange, PN labeled Part 1. steel flanges. " ASMEB16.5-2009 is a complete standards for Class marks flange, EN1092-1:2007 is a complete standard PN mark on the flange. This series of standards using a combination of the above two criteria, including Mark the relevant technical content Class flange and flange PN mark. This series of standards for a total 13 standard, this standard is one of a standard.

This standard ASMEB16.5-2009 and EN1092-1:2007 standard main difference is as follows.

--- The preparation of this standard format ASMEB16.5-2009 and EN1092-1:2007 different standards;

--- ASMEB16.5-2009 standard includes data Class400 nominal pressure of the flange, this standard does not incorporate Class400 Flange data;

--- ASMEB16.5-2009 standard includes flange nominal size of the data NPS31/2, this standard does not NPS31/2 law LAN data;

--- ASMEB16.5-2009 standard with inch bolt, bolt aperture is also used in inch sizes, this standard to metric bolts, Aperture pattern also metric dimensions.

This standard replaces GB /"projecting face with a steel pipe flanges with neck," compared with the original T 9114-2000 standard main changes are as follows.

--- According to EN1092-1:2007 standard, the male flange PN labeled nominal size range expanded from the original DN10 ~ DN150 to DN10 ~ DN600;

--- According to EN1092-1:2007 standard, the flange nominal pressure range PN labeled expanded from the original to PN6 ~ PN40 PN6 ~ PN100;

--- According ASMEB16.5-2009 standard flange nominal pressure range Class marks from

the original Class150 ~ Class1500 expanded to Class150 ~ Class2500;

--- According to EN1092-1:2007 standard, flange dimensions data PN-labeled comprehensive revision;

--- According ASMEB16.5-2009 standard, flange dimensions data Class marks a comprehensive modification;

--- Increasing the variety of sealing surface of the scope of application form;

--- Marked revised;

--- According ASMEB16.5-2009, belonging to the original standard flange nominal inter-American system has been modified tag; PN20 to Class150, PN50 to Class300, PN110 to Class600, PN150 to Class900, PN260 to Class1500, PN420 to Class2500.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee pipe accessories.

This standard was drafted. the machine Productivity Promotion Center, Zhejiang Chaoda Valve Co., Ltd., Jiangsu Haida Pipe Fittings Group Co., Ltd.

Hebei Shengtian Group Bao silver high-pressure pipe flanges Limited, Paul Group Co., Ltd..

1 Scope

This standard specifies the nominal pressure and marked with a PN with Class labeled with neck steel pipe flange type, size, technical requirements and tags.

This standard applies to nominal pressure PN6 ~ PN100 and neck with a steel pipe flanges with Class150 ~ Class2500 of.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

Part 1 GB/T 7306.1 55 ° sealing pipe thread. inner cylindrical thread and taper external thread
Part 2 GB/T 7306.2 55 ° sealing pipe thread. inner Taper internal and external threads
GB/T 9124 steel pipe flanges GB/T 12716 60 ° sealing pipe thread

3 Type and size

3.1

with PN labeled with neck steel pipe flange type and size 3.1.1 with PN labeled with neck steel pipe flange sealing surface type and application of nominal pressure and nominal size range according to Table 1 Provisions.

Table 1 marked with a PN with neck steel pipe flange sealing surface type and application of nominal pressure and nominal size range

Sealing surface

Type

Nominal

PN6 PN10 PN16 PN25 PN40 PN63 PN100 Plane (FF) DN10 ~ DN300 DN10 ~ DN600
DN10 ~ DN600 DN10 ~ DN600 -Raised face (RF) DN10 ~ DN300 DN10 ~ DN600 DN10 ~
DN1000 DN10 ~ DN600 DN10 ~ DN150 3.1.2 with PN labeled with neck steel pipe flange
type shall comply with Figs. 1 and 2, the flange dimensions should be in accordance with
Table 2 ~ Specified in Table 8.

Figure 1 plane (FF) with neck steel pipe flanges

(Suitable for PN6, PN10, PN16, PN25 and PN40)