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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 9117-2010

Replacing GB/T 9117.1-2000; GB/T 9117.2-2000; GB/T 9117.3-2000; GB/T 9117.4-2000

Hubbed socket welding steel pipe flanges

带颈承插焊钢制管法兰

(English Translation)

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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 identification - 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 uses metric dimensions;

--- EN1092-1:2007 standard does not include ring joint face flange, according to our user's requirements, the standard adds the PN Ring joint face flange marks;

--- EN1092-1:2007 standard with no neck socket welding steel pipe flanges, the present standard according to the actual needs of domestic users, an increase of PN series energetic socket welding steel pipe flanges.

This standard replaces GB/T 9117.1-2000 "projecting face with neck socket welding steel pipe flanges", GB/T 9117.2-2000 "Hubbed Socket welding steel pipe flanges ", GB/T 9117.3-2000" tongue and groove with neck socket welding steel pipe flanges "and GB/T

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9117.4-2000" ring Connecting surface with neck socket welding steel pipe flanges ", compared with the original standard main changes are as follows.

--- The original four with neck socket welding steel pipe flanges standards into one standard;

--- According to the actual needs of domestic users, increasing the nominal pressure range PN series with neck socket welding steel pipe flanges, for PN10 ~ PN160, nominal size range of DN10 ~ DN50;

--- According ASMEB16.5-2009 standards for Class flange dimensions data were comprehensive revision;

--- 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 mark in the following table has been modified.

PN20 to Class150, PN50 to Class300, PN110 to Class600, PN150 to Class900, PN260 to Class1500.

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 Co., Ltd., Hebei San Bao silver-day Group of 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 socket welding steel pipe flange type, size, technology to be Sum mark.

This standard applies to nominal pressure PN10 ~ PN100 and Class150 ~ Class1500 with neck socket welding steel pipe flanges.

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.

GB/T 9112 steel pipe flanges with type parameters GB/T 9124 steel pipe flanges

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3 Type and size

3.1

with PN with neck socket welding steel pipe flanges mark the type and size 3.1.1 with PN with neck socket welding steel pipe flanges marked 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 socket welding steel pipe flange sealing surface type and application of nominal pressure and nominal size range

Sealing surface

Type

Nominal

PN10 PN16 PN25 PN40 PN63 PN100 Plane (FF) DN10 ~ DN50 -Raised face (RF) DN10 ~ DN50 Convex surface (MF) DN10 ~ DN50 Tongue and groove (TG) DN10 ~ DN50 O-ring face (OSG) DN10 ~ DN50 -Ring joint face (RJ) - DN15 ~ DN50 3.1.2 with PN labeled with neck socket welding steel pipe flange type should meet the requirements of Figure 1 to 6, flange sealing surface size should be consistent

Table 2 and Table 3 provides that other flange dimensions shall comply with the requirements in Table 4 to Table 7.

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