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GB/T 9120-2010

Replacing GB/T 10747-1989; GB/T 9120.1-2000; GB/T 9120.2-2000; GB/T 9120.3-2000

Loose plate steel pipe flanges with weld-neck collar and with weld ring neck

对焊环板式松套钢制管法兰

(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 EN1092-1:2007 standard main difference is as follows.

--- The preparation of this standard format and EN1092-1:2007 different standards;

--- EN1092-1:2007 standard does not include two DN175 and DN225 nominal size, according to users of marine flange Requirements, this series of standards PN flange marked increase of DN175 and DN225 only two male marine said flange size.

This standard replaces GB/T 9120.1-2000 "sudden face welding Loose plate steel pipe flanges", GB/T 9120.2-2000 "uneven surface Loose plate welded steel pipe flanges ", GB/T 9120.3-2000" tongue and groove weld face Loose plate steel pipe flanges "and GB/T 10747-1989 "marine steel flanges welded steel ring-song set (four into bits)", compared with the original standard main changes are as follows.

--- The original three butt Loose plate steel pipe flanges with GB/T 10747-1989 integrated as a standard;

--- According to EN1092-1:2007 standard, adding a butt Loose plate steel pipe flange type, plate and welded ring Loose steel pipe flanges divided into A and B type two;

--- According to EN1092-1:2007 standard, increasing the O-ring sealing surface type;

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

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--- PN flange marked increase in the DN175 and DN225 only two male Marine flange nominal size;

--- Various sealing surface increases the scope of application form.

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.

1 Scope

This standard specifies the nominal pressure PN labeled with butt Loose plate steel pipe flange type, size, technical requirements and marking.

This standard applies to nominal pressure plate welded ring PN2.5 ~ PN40 loose 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

3 Type and size

3.1
marked with PN butt Loose plate steel pipe flanges are divided into A and B two structural types, sealing surface type and applicable Nominal pressure and nominal size range specified in Table 1.

Table 1 welded ring plate steel pipe flange sealing surface type and application of nominal pressure and nominal size range

Flange Type

Sealing surface

Type

Nominal

PN2.5 PN6 PN10 PN16 PN25 PN40 A type butt Loose plate Steel pipe flanges (PL/WA)

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Raised face (RF) - - DN10 ~ DN600 Convex surface (MF) - - DN10 ~ DN600 Tongue and groove (TG) - - DN10 ~ DN600 O-ring face (OSG) - - DN10 ~ DN600 B-type butt Loose plate Steel pipe flanges (PL/WB) Raised face (RF) DN10 ~ DN1000 DN10 ~ DN1200 DN10 ~ DN1000 DN10 ~ DN800 DN10 ~ DN400

3.2

A labeled with PN-type butt Loose plate steel pipe flange type shall comply with Figs. 1 to 4, the flange sealing surface size shall be in accordance with Table 2, the other flange dimensions should be consistent with the provisions of Table 6 - Table 3, when the user selected value is different from the values \u200b\u200bin the table S, it should specify when ordering.

3.3

with PN-labeled B-type butt Loose plate steel pipe flange type should meet the requirements of Figure 5, the flange sealing surface size should be consistent Specified in Table 2, the other flange dimensions comply with the requirements of Table 7 to Table 12, when the user selected value of S is different from the values \u200b\u200bin the table should be set Indication of goods.

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