

Corrosion-resistant, Bolted Bonnet Gate Valves—Flanged and Butt-welding Ends

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Contents

	Page
1 Scope	1
2 Normative References	1
3 Terms and Definitions	3
4 Pressure/Temperature Ratings	4
5 Design	4
5.1 General	4
5.2 Bonnet Wall Thickness	5
5.3 Body Dimensions	6
5.4 Bonnet Dimensions	6
5.5 Bonnet-to-body Joint	7
5.6 Gate	8
5.7 Yoke	10
5.8 Stem and Stem Nut	10
5.9 Packing and Packing Box	11
5.10 Bolting	12
5.11 Operation	13
5.12 Bypasses and Other Auxiliary Connections	13
6 Materials	14
6.1 Materials Other Than Trim Materials	14
6.2 Trim	15
7 Testing, Inspection, and Examination	15
7.1 Inspection and Examination	15
7.2 Pressure Tests	15
7.3 Repairs of Defects	15
7.4 Supplementary Requirements	15
8 Marking	15
8.1 General	15
8.2 Marking for Unidirectional Valves	16
9 Preparation for Shipment	16
9.1 Coatings	16
9.2 Openings	16
9.3 Gate Position	16
9.4 Stem Packing	16
9.5 Packaging	16
Annex A (informative) Information to be specified by the Purchaser	17
Annex B (informative) Identification of Valve Terms	19

Contents

Page

Figures

1	Identification of Terms	4
2	Types of Valve Gates	8
3	Wear Travel of a Wedge Gate	9
B-1	Valve Nomenclature	19

Tables

1	Minimum Thickness of Shell Wall and Minimum Diameter of Stem, t_m	5
2	Minimum Wear Travel	9
3	Stuffing Box and Packing Dimensions	12
4	Materials for Parts	14

Corrosion-resistant, Bolted Bonnet Gate Valves— Flanged and Butt-welding Ends

1 Scope

1.1 This standard specifies the requirements for corrosion-resistant bolted bonnet gate valves meeting the requirements of Standard Class, ASME B16.34 and having full port openings for use in process piping applications. This standard sets forth the requirements for the following gate valve features:

- bolted bonnet;
- outside screw and yoke;
- rising stems;
- non-rising handwheels;
- single or double gate;
- wedge or parallel sealing;
- metallic seating surfaces;
- flanged or butt-welding ends.

Corresponding to nominal pipe size DN:

- 15; 20; 25; 32; 40; 50; 65; 80; 100; 150; 200; 250; 300; 350; 400; 450; 500; 600.

It covers valves of the nominal pipe size NPS:

- $\frac{1}{2}$; $\frac{3}{4}$; 1; $1\frac{1}{4}$; $1\frac{1}{2}$; 2; $2\frac{1}{2}$; 3; 4; 6; 8; 10; 12; 14; 16; 18; 20; 24.

Applies to pressure class designations:

- 150; 300; 600.

1.2 Annex B illustrates a bolted bonnet gate valve for the purpose of establishing standard nomenclature for valve parts.

1.3 The dimensions in metric (SI) units are standard; customary units are shown for reference.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Standard 598, *Valve Inspection and Testing*

API Standard 600, *Steel Gate Valves—Flanged and Butt-welding Ends, Bolted Bonnets*