



Summary of Substantive Changes between the 2013 and the 2008 editions of MSS SP-67 “Butterfly Valves”

Presented to the IAPMO Standards Review Committee on August 13, 2018

General: The changes to this standard should not have an impact on currently listed products. The substantive change is:

- Updated the referenced standards to the current editions (see Annex B).

Section 4, Design Requirements:

4.7 Retention by Closure Member

Valves, including those intended for isolation, regulation, or flow reversal shall be provided with a means so that in the event of a structural failure of the stem or stem-to-closure attachment items, the stem will not be ejected through the pressure boundary while the valve is under pressure.

ANNEX B, Referenced Standards and Applicable Dates: The following standards were added, revised or deleted as follows:

ASME; ANSI/ASME

B16.1-~~2010~~2015 Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250

B16.24-~~2006~~2016 Cast Copper Alloy Pipe Flanges and Flanged Fittings: Classes 150, 300, 600, 900, 1500, and 2500

B16.34-~~2009~~2013 Valves Flanged – Threaded and Welding End

B16.42-~~1998 (R2006)~~2016 Ductile Iron Pipe Flanges and Flanged Fittings: Classes 150 and 300

B16.47-~~2006~~2017 Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard

B16.5-~~2009~~2013* Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard

** The 2017 edition, specifically, supersedes the current version as a reference herein.*

B36.10M-~~2004 (R2010)~~2015 Welded and Seamless Wrought Steel Pipe

BPVC-I-~~2010~~2015 Boiler and Pressure Vessel Code, Section I: Rules for Construction of Power Boilers

BPVC-VIII-Div.1-~~2010~~2015 Boiler and Pressure Vessel Code, Section VIII, Division I: Rules for Construction of Pressure Vessels

AWWA; ANSI/AWWA

C207-~~0713~~ Steel Pipe Flanges for Waterworks Service, Sizes 4 In. Through 144 In. (100 mm through 3,600 mm)

C504-~~1015~~ Rubber-Seated Butterfly Valves

C606-~~1115~~ Grooved and Shouldered Joints

MSS; ANSI/MSS

SP-25-~~2008~~2013 Standard Marking System for Valves, Fittings, Flanges, and Unions

SP-68-~~2011~~2017 High Pressure Butterfly Valves with Offset Design



Table 1, Pipe Minimum Diameters for Disc Clearance: The table was revised to correct the conversion from mm to inch for the NPS 4 Unlined Gray Iron Pipe and NPS 10 Unlined Steel Pipe.

Table 3, Face-to Face Dimensions, Single-Flange, and Flangeless Valves: The table was revised to include mm equivalent values for the NPS 30, 36, 42, and 48 W-2 Wide Body flanges.