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
B16.1-20102015 Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250
B16.24-20062016 Cast Copper Alloy Pipe Flanges and Flanged Fittings: Classes 150, 300, 600, 900, 1500, and 2500
B16.34-20092013 Valves Flanged – Threaded and Welding End
B16.47-20062017 Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard
B16.5-20092013* 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-20102015 Boiler and Pressure Vessel Code, Section I: Rules for Construction of Power Boilers
BPVC-VIII-Div.1-20102015 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-25-20082013 Standard Marking System for Valves, Fittings, Flanges, and Unions
SP-68-20112017 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.