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CERTIFICATE OF CONFORMANCE

SERIES 70 High Performance Flanged Full Port Ball Valves

Class 150. Design to API 608/ASME B16.34; Flanges conform to ASME 16.5; Face to Face dimension conforms to ASME 16.10; ISO 5211 Mounting Dimensions; Inspection and test to API 598.

SERIES 80/89 High Performance 3 Piece Ball Valves

API 608 compliant; Class 800 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Threaded ends conform to ANSI/ASME B1.20.1; Flange ends conform to ASME 16.5; Butt welding ends conform to ASME B16.25; ISO 5211 Mounting Dimensions; Test conform to API 598.

SERIES 84/99 High Performance 3 Piece Ball Valves

ASME B16.34 compliant; Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4". Threaded ends conform to ANSI/ASME B1.20.1. Flange ends conform to ASME 16.5; Butt welding ends conform to ASME B16.25; ISO 5211 Mounting Dimensions; Inspection and test to ASME B16.34

SERIES 60 High Pressure Ball Valves

ASME B16.34 compliant. Class 2500. Threaded ends conform to ANSI/ASME B1.20.1; Butt welding ends conform to ASME B16.25; Inspection and test to ASME B16.34.

SERIES 88 High Purity Tube Full Port 3 Piece Ball Valves

Design and manufacture to MSS-SP-110 Threaded ends conform to ANSI/ASME B1.20.1. Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment; ISO 5211 Mounting Dimensions; Inspection and test to ASME B16.34.

SERIES 66 High Purity Tube Full Port 3 Piece Ball Valves

Design and manufacture to MSS-SP-110 Threaded ends conform to ANSI/ASME B1.20.1; Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment; ISO 5211 Mounting Dimensions; Test to ASME B16.34

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SERIES N66 High Purity Tube Full Port 3 Piece Ball Valves

Design and Manufacture to MSS-SP-110 Threaded ends conform to ANSI/ASME B1.20.1. Test to ASME B16.34. Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment.

SERIES 86 Instrumentation 3 Piece Tube Full Port Ball Valves

Design and Manufacture to MSS-SP-110. Optional threaded ends conform to ANSI/ASME B1.20.1. Optional Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment. Test to ASME B16.34.

Metal Seated M70 Ball Valves

SERIES M70 Metal Seated High Performance Full Port Ball Valves.

Class 150. Design to API 608/ASME B16.34. Flanges conform to ASME 16.5; Face to Face dimension conforms to ASME 16.10; Test to API 598.

SERIES M80/M89 Metal Seated High Performance Full Port Ball Valves.

Class 800. API 608 compliant. Class 800 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Threaded ends conform to ANSI/ASME B1.20.1. Flange ends conform to ASME 16.5.

SERIES C84/C99 Cryogenic Ball Valves

ASME B16.34 Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Threaded ends conform to ANSI/ASME B1.20.1. Flange ends conform to ASME 16.5. Test to ASME B16.34;

SERIES CL84/CL99/CL50 Chlorine Ball Valves

In addition to the standard requirements of ASME B16.34; Valves meet specifications of Chlorine Institute Pamphlet 6, Piping System for Dry Chlorine.

SERIES W84/W99/W50 Ball Valves For Steam Services

ASME B16.34. Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Threaded ends conform to ANSI/ASME B1.20.1; Flange ends conform to ASME 16.5; Test to ASME B16.34

SERIES FB84/FB99 Flush Bottom Ball Valves

ASME B16.34; Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Threaded ends conform to ANSI/ASME B1.20.1; Flange ends conform to ASME 16.5; Test to ASME B16.34

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SERIES FS84/FS99 Fire Safe High Performance 3 Piece Ball Valves

ASME B16.34. Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4". Threaded ends conform to ANSI/ASME B1.20.1. Flange ends conform to ASME 16.5. Fire Type Testing Requirements conform to ANSI/API 607 4th Edition. ISO 5211 Mounting Dimensions; Test to ASME B16.34.

SERIES FS54 CL150/300 Flanged Standard Port Ball Valves

ASME B16.34; Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4". Flange ends conform to ASME 16.5; Fire Type Testing Requirements conform to ANSI/API 607 4th Edition; ISO 5211 Mounting Dimensions; Test to ASME B16.34.

SERIES FS50 CL150/300/600 Flanged Standard Port Ball Valves

ASME B16.34; Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4"; Flange ends conform to ASME 16.5; Fire Type Testing Requirements conform to ANSI/API 607 4th Edition; ISO 5211 Mounting Dimensions; Test to ASME B16.34.

SERIES 75 High Performance Sanitary Multi-Port Ball Valves

Design and Manufacture to MSS-SP-110; Threaded ends conform to ANSI/ASME B1.20.1; Test to ASME B16.34; Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment.

SERIES 76 High Performance 3 & 4 Way Ball Valves

Design and Manufacture to MSS-SP-110; Threaded ends conform to ANSI/ASME B1.20.1. Test to ASME B16.34;

SERIES 77 High Performance Sanitary Multi-Port Ball Valves

Design and Manufacture to MSS-SP-110. Threaded ends conform to ANSI/ASME B1.20.1; Test to ASME B16.34. Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment.

SERIES D88 High Purity Tube Full Port Diverter Ball Valves

Design and manufacture to MSS-SP-110; Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment; ISO 5211 Mounting Dimensions; Test to ASME B16.34.

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SERIES D84/D99 HIGH PERFORMANCE 3 PIECE BALL VALVES

ASME B16.34. Class 600 for sizes 1/4" to 2 1/2" and Class 300 for 3" to 4". Threaded ends conform to ANSI/ASME B1.20.1; Flange ends conform to ASME 16.5; ISO 5211 Mounting Dimensions; Test to ASME B16.34

SERIES D54 CL150/CL300 Flanged Diverter Ball Valves

Valve Body was designed and manufacture to ASME B16.34; Flanged Body Face to Face conform to ANSI/ASME B16.10; Valve flange conform to ASME 16.5. Test to ASME B16.34

SERIES 50B7 Seal Weld Threaded Ends Full Port Valves

Design and Manufacture to MSS-SP-110; Threaded ends conform to ANSI/ASME B1.20.1; NACE MR-01-75/ISO 15156-1; Test to ASME B16.34.

SERIES 50C7 Seal Weld 3000# Ball Valves

Design and Manufacture to ASME B16.34; Threaded ends conform to ANSI/ASME B1.20.1; NACE MR-01-75/ISO 15156-1; Test to ASME B16.34.

SERIES 50F7 Seal Weld 6000# Ball Valves

Design and Manufacture to API 608 & ASME B16.34 CL2500; Threaded ends conform to ANSI/ASME B1.20.1; NACE MR-01-75/ISO 15156-1; ISO 5211 Mounting Dimensions; Test to API 598.

SERIES 5457 PW Seal Weld Threaded Standard Port Valves

Design and Manufacture to MSS-SP-110. Threaded ends conform to ANSI/ASME B1.20.1.

SERIES 15 Sanitary Butterfly Valves

Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment; Test to ASME B16.34.

SERIES 17 Butterfly Valves

Compliant to MSS-SP-67 and API 609; Engineered to be used with ANSI B16.1 Class 125 (Iron) and ANSI B16.5 (Steel) Class 150 Flanges. MSS-SP-25 Marking ISO 5211 Mounting Pad.

SERIES 5303 3 Pc. Socket Full Port Ball Valve.

Design conform to MSS-SP-110; Butt Weld Ends conform to ASME B16.25; Socket Weld Ends conform to ASME B16.11; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

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SERIES 3903 3 Pc. Socket Full Port Ball Valves.

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; Shell test and seat test to ASME B16.34.

SERIES 50M76 Threaded Full Port Ball Valves.

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

SERIES 10 Brass Full Port Ball Valves.

Design conform to MSS-SP-110; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

SERIES 11 Direct Mount 2Piece Ball Valve.

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

SERIES 12 High Performance Direct-Act Ball Valve.

Full Port; Design to 2000 PSI (CWP)

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Test to ASME B16.34.

SERIES 13 Direct-Act 3 Piece Ball Valves.

Full Port Design to 1000 PSI (CWP)

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

SERIES 13 Direct-Act 3 Piece Ball Valves.

Full Port Design to 1000 PSI (CWP)

Design conform to MSS-SP-110; Socket Weld Ends conform to ASME B16.11; Butt Weld Ends conform to ASME B16.25; Threaded Ends conform to ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to ASME B16.34.

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SERIES 14 Bronze Full Port Direct-Act Ball Valves.

In Service Adjustable Stem Packing; Integral Mounting Pad
Design conform to MSS-SP-110; Threaded Ends conform to
ANSI/ASME B1.20.1; ISO 5211 Mounting Dimensions; Shell test and seat test to
ASME B16.34.

SERIES 58876 Threaded Reduced Port Ball Valves.

800 WOG; Uni-body Design; Design conform to MSS-SP-110; Threaded Ends
conform to ANSI/ASME B1.20.1; Test to ASME B16.34.

SERIES V84 VPorted High Performance 3 Piece Ball Valves

ASME B16.34 Class 600 for sizes 1/4" to 2 1/2" and Class 300
for 3" to 4". ANSI Class VI Shut Off; Threaded ends conform to ANSI/ASME
B1.20.1. Flange ends conform to ASME 16.5. ISO 5211 Mounting Dimensions;
Test to ASME B16.34.

SERIES 25 Cast Steel 150#/300#/600# Flanged Swing Check

Bolted Cover; Swing Type; Design to ASME B16.34; Flange ends conform to
ASME 16.5. Face to Face Conform to ANSI/ASME B16.10; End Flanges to
ANSI/ASME B16.5; Butt Welding Ends Conform to ANSI/ASME B16.25;
Inspection and test conform to API 598.

SERIES 25 Stainless Steel Steel 150#/300# Flanged Swing Check Valves

Bolted Cover; Swing Type; Design to ASME B16.34; Flange ends conform to
ASME 16.5. Face to Face Conform to ANSI/ASME B16.10; End Flanges to
ANSI/ASME B16.5; Butt Welding Ends Conform to ANSI/ASME B16.25;
Inspection and test conform to API 598.

SERIES 35 Cast Steel 150#/300#/600# Flanged Gate Valves

Outside Screw and Yoke; Bolted Bonnet; Stem/Wedge Connection Meets the API
600 Pull Test; Design to API600/ANSI B16.34; Flange ends conform to ASME
16.5. Face to Face Conform to ANSI/ASME B16.10; End Flanges to
ANSI/ASME B16.5; Butt Welding Ends Conform to ANSI/ASME B16.25;
Inspection and test conform to API 598.

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SERIES 45 Cast Steel 150#/300#/600# Flanged Globe Valves

Outside Screw and Yoke; Bolted Bonnet; Stem and Wedge meet API 600 Pull Test; Design to API603/ANSI B16.34; Flange ends conform to ASME 16.5. Face to Face Conform to ANSI/ASME B16.10; End Flanges to ANSI/ASME B16.5; Butt Welding Ends Conform to ANSI/ASME B16.25; Inspection and test conform to API 598.

SERIES 24834 Forged Steel Check Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Material of body and cover conform to ASTM A105; NACE MR0175/ISO 15156-1; Inspection and test to API 598.

SERIES 24836 Forged Stainless Steel Check Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Body and cover material conform to ASTM A182-F316L; NACE MR0175/ISO 15156-1; Inspection and test to API 598.

SERIES 34834 Forged Steel Gate Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Body and cover material conform to ASTM A105; NACE MR0175/ISO 15156-1; Inspection test to API 598.

SERIES 34836 Forged Stainless Steel Gate Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Body and cover material conform to ASTM A182-F316L; NACE MR0175/ISO 15156-1; Inspection and test to API 598.

SERIES 44834 Forged Steel Globe Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Body and cover material conform to ASTM A105; NACE MR0175/ISO 15156-1; Inspection and test to API 598.

SERIES 44836 Forged Stainless Steel Globe Valves Class 800

Design to API 602; Socket weld end to ANSI/ASME B16.1; Threaded ends to ANSI/ASME B1.20.1; Body and cover material conform to ASTM A182-F316L; NACE MR0175/ISO 15156-1; Inspection and test to API 598.

SERIES 20276 Threaded Swing Check Valves

Design and Manufacture to MSS-SP-110; Material: A351-CF8M; Threaded ends conform to ANSI/ASME B1.20.1. Inspection and test conform to ASME B16.34.

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SERIES 20276 Threaded Swing Check Valves 200 PSI

Design and Manufacture to MSS-SP-110; Material: A351-CF8M; Threaded ends conform to ANSI/ASME B1.20.1. Inspection and test conform to ASME B16.34.

SERIES 30276 Threaded Gate Valves 200 PSI

Design and Manufacture to MSS-SP-110; Material: A351-CF8M; Threaded ends conform to ANSI/ASME B1.20.1. Inspection and test conform to ASME B16.34.

SERIES 40276 Threaded Globe Valves 200 PSI

Design and Manufacture to MSS-SP-110; Material: A351-CF8M; Threaded ends conform to ANSI/ASME B1.20.1. Inspection and test conform to ASME B16.34.

Note:

Sharpe Valves/Smith-Cooper Intl. is Certified ISO 9001:2008

Scope: The design and manufacture of valves. The distribution of pipe, valves, fittings, actuators and accessories.