

## CERTIFICATE OF CONFORMANCE

- SERIES 70 High Performance Flanged Full Port Ball Valve Class 150/300  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fugitive emission API 641-1<sup>st</sup> edition configurations available; NACE MR-0175-2002; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FS70 High Performance Fire Safe Flanged Full Port Ball Valve Class 150/300  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fire Safe per API 607 6<sup>th</sup> edition type testing; Fugitive emission API 641-1<sup>st</sup> edition configurations available; NACE MR-0175-2002; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES C70 High Performance Cryogenic Flanged Full Port Ball Valve Class 150/300  
Basic design to ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FSC70 High Performance Fire Safe Cryogenic Flanged Full Port Ball Valve  
Basic design to ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fire Safe per API 607 7<sup>th</sup> edition type testing; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES 80/89 High Performance 3 Piece Ball Valve Class 300/800  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; Fugitive emission API 641-1<sup>st</sup> edition configurations available; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FS80/FS89 High Performance Fire Safe 3 Piece Ball Valve Class 300/800  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; Fire Safe per API 607 6<sup>th</sup> edition type testing; Fugitive emission API 641-1<sup>st</sup> edition configurations available; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES C80/C89 High Performance Cryogenic 3 Piece Ball Valve Class 300/600  
Basic design to ASME B16.34; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FSC80/FSC89 High Performance Fire Safe Cryogenic 3 Piece Ball Valve  
Basic design to ASME B16.34; Socket weld and threaded ends conform to ASME B16.11; Butt weld ends conform to ASME B16.25; Fire Safe per API 607 7<sup>th</sup> edition type testing; ISO 5211 mounting dimensions; Inspection and test to API 598.

- SERIES HP80/HP89 High Performance 3 Piece Ball Valve  
Socket weld and threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES 74 High Performance Flanged Standard Port Ball Valve Class 150/300  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fugitive emission API 641-1<sup>st</sup> edition configurations available; NACE MR-0175-2002; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FS74 High Performance Fire Safe Flanged Standard Port Ball Valve Class 150/300  
Design to API 608 6<sup>th</sup> edition & ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fire Safe per API 607 6<sup>th</sup> edition type testing; Fugitive emission API 641-1<sup>st</sup> edition configurations available; NACE MR-0175-2002; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES C74 High Performance Cryogenic Flanged Standard Port Ball Valve Class 150/300  
Basic design to ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES FSC74 High Performance Fire Safe Cryogenic Flanged Standard Port Ball Valve  
Basic design to ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; Fire Safe per API 607 7<sup>th</sup> edition type testing; ISO 5211 mounting dimensions; Inspection and test to API 598.
- SERIES 84/99 High Performance 3 Piece Ball Valve Class 300/600  
ASME B16.34 compliant; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Inspection and test to ASME B16.34.
- SERIES FS84/FS99 Fire Safe High Performance 3 Piece Ball Valve Class 600  
ASME B16.34 compliant; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; Fire Safe per API 607 4<sup>th</sup> edition type testing; ISO 5211 mounting dimensions; Inspection and test to ASME B16.34.
- SERIES CL84/CL99/CL50 Chlorine Ball Valve  
ASME B16.34 compliant; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Inspection and test to ASME B16.34 & API 598.
- SERIES W84/W99/W50 Ball Valve Class 300/600 For Steam Services  
ASME B16.34 compliant; Socket Weld and Threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Inspection and test to ASME B16.34.

- SERIES FB84/FB99 Flush Bottom Ball Valve Class 300/600  
Socket Weld and Threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES D84/D99 High Performance 3 Piece Diverter Valve Class 300/600  
Design and manufacture to MSS-SP-110; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES V84 V-Ported High Performance 3 Piece Ball Valve Class 300/600  
ASME B16.34 compliant; ANSI/FCI 70-2 Class VI shut off; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Inspection and test to ASME B16.34.
- SERIES 60 High Pressure 3 Piece Ball Valve Class 2500  
Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt weld ends conform to ASME B16.25; Test to ASME B16.34
- SERIES 88 High Purity Tube Full Port 3 Piece Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11. Tube ends and tri-clamp ends conform to ASME BPE-2024 Bioprocessing Equipment; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES D88 High Purity Tube Full Port Diverter Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 66 High Purity Tube Full Port 3 Piece Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES N66 High Purity Tube Full Port 3 Piece Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 86 Instrumentation 3 Piece Tube Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Optional threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES M70 Metal Seated High Performance Full Port Ball Valve Class 150/300  
Design to API 608 5<sup>th</sup> edition & ASME B16.34; Flanges conform to ASME B16.5; Face to face dimension conforms to ASME B16.10; ISO 5211 mounting dimensions; Test to ANSI/FCI 70-2, API 598.

- SERIES M80/M89 Metal Seated High Performance Ball Valve Class 800  
Design to API 608 5<sup>th</sup> edition & ASME B16.34; Socket weld and threaded ends conform to ASME B16.11; Flange ends conform to ASME B16.5; Butt welding ends conform to ASME B16.25; ISO 5211 mounting dimensions; Test to ANSI/FCI 70-2, API 598.
- SERIES FS54 Flanged Standard Port Fire Safe Ball Valve Class 150/300  
ASME B16.34 compliant; Flange ends conform to ASME B16.5; Face to face conforms to ASME B16.10; Fire Safe per API 607 4<sup>th</sup> edition type testing; NACE MR-0175-2002; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 54 Flanged Standard Port Ball Valve Class 150  
ASME B16.34 compliant; Flange ends conform to ASME B16.5; Face to face conforms to ASME B16.10; NACE MR-0175-2002; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES D54 Flanged Diverter Ball Valve Class 150/300  
Flange ends conform to ASME B16.5; Face to face conforms to ASME B16.10; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES FS50 Flanged Fire Safe Full Port Ball Valve Class 150/300/600  
ASME B16.34 compliant; Flange ends conform to ASME B16.5; Face to face conforms to ASME B16.10; Fire Safe per API 607 4<sup>th</sup> edition type testing; NACE MR-0175-2002; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 50 Flanged Full Port Ball Valve Class 150  
ASME B16.34 compliant; Flange ends conform to ASME B16.5; Face to face conforms to ASME B16.10; NACE MR-0175-2002; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 76 High Performance 3 & 4 Way Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 77 High Performance 3 & 4 Way Ball Valve  
Design and manufacture to MSS-SP-110; Socket weld and threaded ends conform to ASME B16.11; Butt weld ends conform to ASME B16.25; Flange ends conform to ASME B16.5; Test to ASME B16.34.
- SERIES 50B7 Seal Weld Threaded Ends Full Port Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; NACE MR-0175-2002; Test to ASME B16.34.
- SERIES 50C7 Seal Weld 3000 PSI CWP Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; NACE MR-0175-2002; Test to ASME B16.34.
- SERIES 50F7 Seal Weld 6000 PSI CWP Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; NACE MR-0175-2002; ISO 5211 mounting dimensions; Test to ASME B16.34.

- SERIES 5457 Seal Weld Threaded Standard Port Valve  
Design and manufacture to MSS-SP-110. Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 17 Butterfly Valve  
Compliant to MSS-SP-67; Engineered to be used with ASME B16.1 Class 125 (Iron) and ASME B16.5 (Steel) Class 150 flanges; MSS-SP-25 marking; ISO 5211 mounting pad.
- SERIES 5303 3 Pc. Socket Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Butt weld Ends conform to ASME B16.25; Socket weld and threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 3903 3 Pc. Socket Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Socket weld and threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 50M76 Threaded Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 10 Brass Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 10A 2 Pc. Brass Full Port Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B1.20.1; Test to MSS-SP-110
- SERIES 11 Direct Mount 2Piece Ball Valve  
Design and manufacture to MSS-SP-110; Threaded Ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 12 High Performance Direct-Act Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 13 Direct-Act 3 Piece Ball Valve.  
Design and manufacture to MSS-SP-110; Socket weld and threaded ends to ASME B16.11; Butt weld ends conform to ASME B16.25; ISO 5211 mounting dimensions; Test to ASME B16.34.
- SERIES 58876 Threaded Reduced Port Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 25 Cast Steel Flanged Swing Check Valve CL 150, CL 300, CL 600  
Design to ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; NACE MR-0175; Inspection and test to API 598.

- SERIES 25 Stainless Steel Flanged Swing Check Valve CL 150, CL 300  
Design to ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; Inspection and test to API 598.
- SERIES 35 Cast Steel Flanged Gate Valve CL 150, CL 300, CL 600  
Design to API600 12<sup>th</sup> edition/ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; NACE MR-0175; Inspection and test to API 598.
- SERIES 35 Stainless Steel Flanged Gate Valve CL 150, CL 300  
Design to API603 8<sup>th</sup> edition/ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; Inspection and test to API 598.
- SERIES 45 Cast Steel Flanged Globe Valve CL 150, CL 300, CL 600  
Design to ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; NACE MR-0175; Inspection and test to API 598.
- SERIES 45 Stainless Steel Flanged Globe Valve CL 150, CL 300  
Design to ASME B16.34; Flange ends conform to ASME B16.5; Face to face conform to ASME B16.10; Butt weld ends conform to ASME B16.25; Inspection and test to API 598.
- SERIES 24834 Forged Carbon Steel Class 800 Swing or Piston Check Valve  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598.
- SERIES 24836 Forged Stainless Steel Swing or Piston Check Valve Class 800  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598.
- SERIES 34834 Forged Carbon Steel Gate Valve Class 800  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598.
- SERIES 34836 Forged Stainless Steel Gate Valve Class 800  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598.
- SERIES 44834 Forged Carbon Steel Globe Valve Class 800  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598.
- SERIES 44836 Forged Stainless Steel Globe Valve Class 800  
Design to API 602-9<sup>th</sup> edition; Socket weld end to ASME B16.11; Threaded ends conform to ASME B1.20.1; NACE MR-0175; Test to API 598

- SERIES 20276 Threaded Swing Check Valve  
Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 30276 Threaded Gate Valve  
Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 40276 Threaded Globe Valve  
Threaded ends conform to ASME B16.11; Test to ASME B16.34.
- SERIES 58B74 1 Piece Uni-Body Ball Valve  
Design and manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; NACE MR-1075-2002; Test to ASME B16.34.
- SERIES OP20 Oil Patch Swing Check Valve  
Threaded ends conform to ASME B1.20.1; NACE MR-1075-2009; Test to API 598
- SERIES OP50 Oil Patch Full Port Ball Valve  
Threaded ends conform to ASME B1.20.1; NACE MR-1075-2009; Test to API 598
- SERIES OP54 Oil Patch Standard Port Ball Valve  
Threaded ends conform to ASME B1.20.1; NACE MR-1075-2009; Test to API 598

DISCONTINUED:

- SERIES 75 High Performance Sanitary Multi-Port Ball Valve  
Design and Manufacture to MSS-SP-110; Threaded ends conform to ASME B16.11; Tubing ends and Tri-clamp ends conform ASME BPE-2009 Bioprocessing Equipment; Test to ASME B16.34.

Note:

- ASC Engineered Solutions - Sharpe® Valves facility is Certified ISO 9001:2015
  - Scope: The design and manufacture of valves. The distribution of pipe, valves, fittings, actuators, and accessories.