



## **CERTIFICATE OF CONFORMANCE**

PRODUCTS SOLD BY SERVICE METAL ARE CERTIFIED AND SUPPLIED IN ACCORDANCE WITH THE FOLLOWING NATIONALLY RECOGNIZED SPECIFICATIONS AND STANDARDS:

### **CARBON STEEL WELD FITTINGS**

Seamless Butt Weld Fittings conform to ASTM A/SA234 WPB  
Welded Butt Weld Fittings conform to ASTM A/SA234 WPBW  
Weld Fitting Dimensions conform to ASME B16.9, B16.25  
Carbon content not to exceed .25% maximum.  
Manufacturing Facilities are ISO Certified

### **CARBON STEEL FLANGES**

Forged Steel Flanges conform to ASTM A/SA105  
Flange Dimensions conform to ASME B16.5 through 24"  
Flange Dimensions larger than 24" conform to ASME B16-47 Series A (MSS SP-44) or Series B (API 605)  
Flange classes 600 and above are A105N Normalized  
Flange serrations to be in accordance with MSS-SP-6  
Manufacturing Facilities are ISO Certified

### **FORGED CARBON STEEL FITTINGS & OUTLETS**

SMP Forged Carbon Steel Fitting Material conforms to ASME SA105N, NORMALIZED  
Forged Steel Fitting Dimensions conform to ASME B16.11  
NPT threads on Forged Steel Fittings conform to ASME B1.20.1  
Forged Steel Socket Weld Inserts conform to MSS-SP-79  
Forged Steel Unions conform to MSS-SP-83  
Forged Steel Outlet Fittings conform to MSS-SP-97  
Manufacturing Facility is ISO Certified

### **MALLEABLE IRON THREADED FITTINGS, CLASS 150 & 300**

Malleable Castings conform to ASTM A197  
Hot-Dipped Galvanized Fittings conform to ASTM A153  
Malleable Fitting Dimensions conform to ASME B16.3  
Malleable Bushings, Plugs and Locknuts conform to ASME B16.14  
Malleable Unions conform to ASME B16.39  
NPT Threads on all fittings conform to ASME B1.20.1  
Class 150 fittings are UL listed and FM approved at 300psi.  
Class 300 fittings are UL listed.  
Manufacturing Facility is ISO Certified  
\*Galvanized Fittings are approved to ANSI/NSF 61-4 Annex G and CA AB1953 (<0.25%Lead)  
Country of origin covered is Thailand & China





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### **STEEL WELDED NIPPLES SCH 40 & SCH 80**

Black and Hot-Dipped Galvanized Steel Pipe used conforms to ASTM A53

Welded Steel Nipples conform to ASTM A733

NPT threads on nipples conform to ASME B1.20.1

Manufacturing Facility is ISO Certified

\*Galvanized Nipples are approved to ANSI/NSF 61-4 Annex G and CA AB1953 (<0.25% Lead)

### **STEEL SEAMLESS NIPPLES SCH 80, 160 & XXH**

Seamless Steel Pipe used conforms to ASTM A106 Grade B

Seamless Steel Nipples conform to ASTM A733

NPT threads on nipples conform to ASME B1.20.1

Manufacturing Facility is ISO Certified

Imported Nipples have heat numbers.

### **MERCHANT & API STEEL STANDARD COUPLINGS & FITTINGS**

Merchant Coupling dimensions and materials conform to ASTM A865

Merchant Coupling threads conform to ASME B1.20.1

Standard Couplings from 1/8" to 2" are NPSC (Straight Threads), 2-1/2" and larger are NPT (Tapered)

Merchant Steel bushings and plugs conform to ASME B16.14

API Couplings dimensions conform to ASTM A865

API Coupling threads conform to ASME B1.20.1

### **CAST IRON FLANGES**

Grey Iron Castings conform to ASTM A126 and ASTM A48

Flange Dimensions conform to ASME B16.1

Hot-Dipped Galvanized Flanges conform to ASTM A153

Flange Threads conform to ASME B1.20.1

Manufacturing Facility is ISO Certified

### **CAST IRON FLANGED FITTINGS, CLASS 125 & 250**

Grey Iron Castings conform to ASTM A126 and ASTM A48

Flanged Fitting Dimensions conform to ASME B16.1 and ANSI/AWWA C110/A21.10

Class 125 is UL Listed through 12"

Manufacturing Facility is ISO Certified

### **DUCTILE IRON FLANGED FITTINGS, CLASS 150 & 300**

Ductile Iron Castings conform to ASTM A395

Flanged Fitting Dimensions conform to ANSI/AWWA C110/21.10 and ASME B16.42

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### SMP LEAD FREE BRASS BALL VALVES

Design conforms to MSS-SP-110: Threaded ends confirm to ANSI/ASME B1.20.1  
Shell & seat test to ASME B16.34. NSF-61 (1/4" thru 2") | NSF-372 (2 1/2" thru 4")

### SMP LEADED BRASS BALL VALVES

Design conforms to MSS-SP-110: Threaded ends confirm to ANSI/ASME B1.20.1  
Shell & seat test to ASME B16.34.

### SMP CARBON & STAINLESS THRD / S/W BALL VALVES

Design conforms to MSS-SP-110 ( $\leq 3"$ ); Socket Weld Ends confirm to ASME  
B16.11

Threaded ends conform to ANSI/ASME B1.20.1; Shell test and seat to  
ASME B16.34

### SMP CARBON & STAINLESS FLANGED BALL VALVES

Design conforms with API 607 and ASME B16.34;  
Flanged ends conform to ASME 16.5; ISO 5211 MOUNTING  
DIMENSIONS, TEST TO ASME B16.34

### SMP CAST IRON FLANGED GATE, GLOBE & CHECK VALVES

Gate valves design conforms to MSS SP-70  
Globe valves design conforms to MSS SP-85  
Swing Check valves design conforms to MSS SP-71  
Flanged ends conform to ASME B16.1,  
API tested to API 598  
Face to face dimensions conforms to ASME B16.10

### SMP FORGED STEEL GATE, GLOBE & CHECK VALVES

Basic design to API 602 & ASME B16.34, Socket weld conforms to ASME  
B16.11, Threaded to ASME B1.20.1, Tested & Inspected to API 598, Nace MR-  
0175

### SMP DI WAFER & LUG BUTTERFLY VALVES

Basic design conforms to API 609 Class A  
Mounting Pad conforms to ISO 5311  
Ends conform to ASME B16.1 and B16.5  
Inspected & tested according to API 598

### SMP CAST STEEL GATE, GLOBE & CHECK VALVES

Gate Valve Design conforms to API 600  
Globe Valve Design conforms to API 623  
Swing Check Valves conforms to API 594  
Face to face dimensions conforms to ASME B16.10  
Raised face flanged ends conform to ASME B16.5  
API tested to API 598  
NACE MRO175





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### FORGED STAINLESS STEEL FITTINGS & OUTLETS

- SMP Forged Stainless Steel (304) Fitting Material conforms to ASME A182 F304 and F304L
- SMP Forged Stainless Steel (316) Fitting Material conforms to ASME A182 F316 and F316L
- Forged Steel Fitting Dimensions conform to ASME B16.11
- NPT threads on Forged Steel Fittings conform to ASME B1.20.1
- Forged Steel Socket Weld Inserts conform to MSS-SP-79
- Forged Steel Unions conform to MSS-SP-83
- Forged Steel Outlet Fittings conform to MSS-SP-97
- Manufacturing Facility is ISO Certified

### STAINLESS STEEL THREADED FITTINGS, TYPE 304 & 316, SP114 AND ISO PATTERN, CLASS 150

- Intergranular Corrosion Resistance per ASTM A262
- Material conforms to ASTM A351
- NSF/ANSI 372 – 2016 Drinking Water System Components Lead Content
- NPT Threads Conform to ASME B1.20.1
- Manufactured in an ISO 9001 facility

### STAINLESS STEEL NIPPLES, WELDED AND SMLS, TYPE 304/L & 316/L, ALL SCHEDULES

- Material is dual certified 304 and 304L or 316 and 316L
- Material conforms to ASTM A312
- Finished Product meets ASTM A733
- NSF/ANSI 372 – 2016 Drinking Water System Components Lead Content
- NPT Threads Conform to ASME B1.20.1
- Manufactured in an ISO 9001 facility

### LEAD FREE\* BRASS THREADED FITTINGS

- \*Conforms with lead content requirements for lead-free plumbing as defined by the U.S. Safe Drinking Water Act. Certified <0.25 weighted average % lead.
- NSF/ANSI 61 Drinking Water System Components – Health Effects
- NSF/ANSI 372 Drinking Water System Components – Lead Content
- Material conforms to ASTM B584 UNS C89833
- Fitting Dimensions conform to ASME B16.15 for Elbows, Tees, Caps, Crosses, Bushings, Plugs, and Couplings.
- Companion flanges conform to ASME B16.24
- NPT Threads Conform to ASME B1.20.1
- Manufactured in an ISO 9001 facility

### LEAD FREE\* BRASS NIPPLES

- \*Conforms with lead content requirements for lead-free plumbing as defined by the U.S. Safe Drinking Water Act. Certified <0.25 weighted average % lead.
- NSF/ANSI 61 Drinking Water System Components – Health Effects
- NSF/ANSI 372 Drinking Water System Components – Lead Content
- Material conforms to ASTM B687 UNS C23000
- NPT Threads Conform to ASME B1.20.1
- Manufactured in an ISO 9001 facility

