

# **SERVICE METAL**

**Pipe Fittings, Flanges & Valves**



## **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 through 24"  
Weld Fitting Dimensions conform to ANSI B16.9, B16.11, B16.28 through 24"  
Weld Fitting Dimensions larger than 24" conform to MSS-SP-48  
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 ANSI B16.5 through 24"  
Flange Dimensions larger than 24" conform to ANSI B16.1, B16-47, API 605 or MSS44  
Flange serrations to be in accordance with MSS-SP-6  
Manufacturing Facilities are ISO Certified

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

Forged 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)

**St. Louis**

4300 Planned Industrial Dr.  
St. Louis, MO 63120

**Charlotte**

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**Houston**

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Houston, TX 77093

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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 40 & SCH 80**

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

Import Nipples have heat number

### **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

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## **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 ANSI B16.42

Manufacturing Facility is ISO Certified

## **SMP BRASS BALL VALVES**

Design conform 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 conform to MSS-SP-110; 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**

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**

Design conforms to ANSI B16.10, Flanged ends conform to ANSI B16.1,

Conforms to MSS SP-71, API tested to API 598

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

Basic design to API 602 & ASME B16.34, Socket weld ANSI B16.11, Threaded ANSI B1.20.1, Test & Inspection to API 598, Nace MR-0175

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