

SSP



# QUICK < REFERENCE > GUIDE





At SSP, we are proud to be an American manufacturing success story.

## 100% of our products are made in America.

All of our manufacturing is performed in our 165,000 sq. ft. facility located near Cleveland, Ohio. Our facility is the largest vertically integrated, single-site operation in the industry. In addition to manufacturing and assembly, we have closed die forging, tool & die design, product development and testing operations under the same roof with the customer service and executive teams.

**Made in America is good business.** Not only do we make everything in America, we use American suppliers too. Buying American allows us to have better quality control and a more reliable supply chain. We can work more closely within our walls and with our suppliers to improve quality, reduce costs, and shorten lead times, which means faster service and better products for you.

# Valves

NEW!



## Locked Bonnet Needle Valves LN Series

### M.A.W.P.\*

- › 6000 psig (413 bar)

### Temperature

- › -100 to 1200°F (-53 to 648°C)

### Materials

- › Body: 316 SS; Packing: PTFE, Grafoil
- › Stems: V, Soft-Seal, Regulating, Metering

### End Connection Sizes

- › 1/8 to 1 in.

## Locked Bonnet Rising Plug & Root Gauge Valves LP Series

### M.A.W.P.\*

- › 6000 psig (413 bar)

### Temperature

- › -65 to 400°F (-53 to 204°C)

### Materials

- › Body: 316 SS; Packing: PTFE,
- › Seat: Acetyl, PTFE, PEEK, PFA

### End Connection Sizes

- › 1/4 to 3/4 in.



NEW!



## Ball Valve, High Pressure TB Series

### M.A.W.P.\*

- › 10,000 psig (415 bar)

### Temperature Range

- › -40°F to 600°F (-40°C to 232°C)

### Materials

- › Body: 316 SS, alloy 400;
- › Seats: PCTFE, PEEK

### End Connection Sizes

- › 1/8 to 1/2

## Encapsulated Ball Valves EB Series

### M.A.W.P.\*

- › 3000 psig (206 bar)

### Temperature

- › -65 to 300°F (-53 to 148°C)

### Materials

- › Body: 316 SS, brass; Seat: PTFE

### End Connection Sizes

- › 1/16 to 3/4 in.



### **Multipurpose Ball Valves FB Series**

#### **M.A.W.P.\***

- › 6000 psig (413 bar)

#### **Temperature**

- › -40 to 400°F (-40 to 204°C)

#### **Materials**

- › Body: 316 SS; Seat: PEEK

#### **End Connection Sizes**

- › 1/8 to 1 in.



**NEW!**

### **Medium Pressure Fixed and Adjustable Check Valves CP/CPA series**

#### **M.A.W.P.\***

- › 3,000 psig

#### **Temperature Range**

- › -50° to 375° F (-45 to 190°C)

#### **End Connection Sizes**

- › 1/4 to 1/2 in.



### **Ball Valve, Medium Pressure 300 Series**

#### **M.A.W.P.\***

- › 5,000 psig (345 bar)

#### **Temperature Range**

- › -40°F to 350°F (-40°C to 176°C)

#### **Materials**

- › Body: 316 SS, brass;  
Seats: PTFE, PCTFE

#### **End Connection Sizes**

- › 1/4 to 3/4 in.



### **Ball Check Valve, Medium Pressure, 4000 Series**

#### **M.A.W.P.\***

- › 6,000 psig (408 bar)

#### **Temperature Range**

- › -15°F to 350°F (-26°C to 176°C)

#### **Materials**

- › Body: 316 SS; O-ring: FKM

#### **End Connection Sizes**

- › 1/8 to 3/4 in.

### **Plug Valve PV Series**

#### **M.A.W.P.\***

- › 3,000 psig (200 bar)

#### **Temperature Range**

- › -10°F to 400°F (-23°C to 204°C)

#### **Materials**

- › 316 SS, brass

#### **End Connection Sizes**

- › 1/8 to 3/8 in.



### **Toggle Valve 200 Series**

#### **M.A.W.P.\***

- › 200 psig (14 bar)

#### **Temperature Range**

- › -20°F to 200°F (-28°C to 93°C)

#### **Materials**

- › 316 SS, brass

#### **End Connection Sizes**

- › 1/8 to 3/8 in.



### **Needle & Metering Valves 100,500,600 Series**

#### **M.A.W.P.\***

- › 6,000 psig (415 bar)

#### **Temperature Range**

- › -40°F to 450°F (-40°C to 232°C)

#### **Materials**

- › 316 SS, brass

#### **End Connection Sizes**

- › 1/8 to 1/2 in.



### **Purge Valve 4900 Series**

#### **M.A.W.P.\***

- › 4000 psig (276 bar)

#### **Temperature Range**

- › -65°F to 600°F (-54°C to 316°C)

#### **Materials**

- › 316 SS, brass, steel

#### **End Connection Sizes**

- › 1/8 to 1/2 in.

### **Poppet Check Valve, High Pressure, CH Series**

#### **M.A.W.P.\***

- › 6,000 psig (415 bar)

#### **Temperature Range**

- › -65°F to 400°F (-53°C to 204°C)

#### **Materials**

- › 316 SS

#### **End Connection Sizes**

- › 1/8 to 1 in.



### **Bleed Valves BV Series**

#### **M.A.W.P.\***

- › 10,000 psig

#### **Temperature Range**

- › -65 to 850° F

#### **Materials**

- › 316 SS, brass

#### **End Connection Sizes**

- › 1/8 to 1/2 in.





# Filters & Couplings



## **Full Flow Quick Connectors - QF series**

**M.A.W.P\***  
 › 6000 psig  
**Temperature Range**  
 › -40° to 350° F (-40°C to 176°C)

**Sizes**  
 › 1/4 to 1 in.

## **Quick Connectors QC Series**

**M.A.W.P\***  
 › 3,000 psig (207 bar)  
**Temperature Range**  
 › -40°F to 350°F (-40°C to 176°C)  
**Materials**  
 › 316 SS, brass  
**Sizes** › 1/8 to 1/2 in.



## **Inline and Tee Filter 3100 & 3000 Series**

**M.A.W.P\***  
 › 5,000 psig (345 bar)  
**Temperature Range**  
 › -20°F to 900°F (-28°C to 482°C)  
**Materials**  
 › 316 SS, brass  
**Sizes** › 1/8 to 1/2 in.  
**Filtration**  
 › 1-200µ Sinter 140 & 400µ Mesh



# Hand Tools



## **Heavy-Duty 180° Tube Bender**

**For 1/4" to 1/2" O.D. tubing**  
 › Accurate and tight bends up to 180° in stainless steel and other tough metals  
 › No crossing handles.  
 Trigger repositions handle when both handles begin to meet  
 › Rollers eliminate scoring of tubing and reduce bending effort  
 › Comfortable and durable ergonomically molded cushion grips

## **Ratchet Wrenches**

› Open jaw ratchet design for fast/easy attachment  
 › Great for tight places  
 › Applies torque evenly  
 › Durable construction  
 › Comfortable grips



## **Tube Cutter**

**For 1/8" to 1 1/8" (4 mm to 28 mm) O.D. tubing**  
 › Lower profile swing radius, 4-1/4"  
 › Retractable rotary style reamer  
 › Lightweight die-cast solid aluminum body - lighter than similar cutters  
 › Eliminates spiraling for clean right angle cuts  
 › Abrasion-resistant chromium steel for accurate cutting and long life  
 › Supplied with a spare cutter wheel



## **Inner-Outer Reaming and Deburring Tool**

› Reams both inside and outside tube edges  
 › Three hollow ground cutters  
 › Tough die cast body  
 › Clockwise and counter clockwise deburring  
 › Comfortable grip



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# Tube & Pipe Fittings



## **Duolok® Double Ferrule Fittings**

- M.A.W.P.\***
- › 12,100 psig (834 bar) at 100°F (38°C)
- Temperature Range**
- › -325°F to 1200°F (-198°C to 648°C)
- Materials**
- › 316 SS, brass, carbon steel, alloy 400, C-276
- Sizes**
- › 1/16 to 2 in. (3mm-25mm)

## **Unilok® Single Ferrule Fittings**

- M.A.W.P.\***
- › 12,100 psig (834 bar) at 100°F (38°C)
- Temperature Range**
- › -325°F to 1200°F (-198°C to 648°C)
- Materials**
- › 316 SS, brass, carbon steel, alloy 400, C-276
- Sizes**
- › 1/16 to 1 in.



## **Griplok® Dual Ferrule Fittings**

- M.A.W.P.\***
- › 12,100 psig (834 bar) at 100°F (38°C)
- Temperature Range**
- › -325°F to 1200°F (-198°C to 648°C)
- Materials**
- › 316 SS, brass
- Sizes**
- › 1/16 to 1 in.



## **TruFit® Pipe, Weld and Adapter Fittings**

- M.A.W.P.\***
- › 10,000 psig (690 bar)
- Temperature Range**
- › -425°F to 1200°F (-254°C to 648°C)
- Materials**
- › 316 SS, brass
- Sizes**
- › 1/16 to 2 in.



# Tubing & Hose



## **Seamless 316/316L Stainless Steel Tubing**

- Sizes**
- › 1/4 to 1 in. OD (6 to 25 mm OD)
  - › 0.035 to 0.134 (1 to 2.5 mm) wall thicknesses
- Features**
- › Working pressures printed on the tube
  - › Capped ends: cleanliness & protection
  - › Hardness < 80 Rockwell
  - › Fully traceable – MTRs available

## **Seamless 316/316L Coiled Tubing**

- Sizes**
- › 1/4 to 3/4 in. OD
  - › 0.035 to 0.065 wall thicknesses
  - › Lengths up to 2300 ft.
- Features**
- › OD Tolerance: +0.005/-0.000 in.
  - › Corrosion Resistance: > 2.5% Molybdenum
  - › Straightening tools available



## **TruFit® PTFE Hose Assemblies**

- M.A.W.P.\***
- › 3,000 psig (200 bar)
- Temperature Range**
- › -65°F to 400°F (-54°C to 204°C)
- Materials**
- › 316 SS fittings; Hose: 304 wire braid, DuPont 62 fine grade resin teflon core
- Sizes**
- › 1/4 to 1 in.



## **TruFit® All-Metal Hose Assemblies**

- M.A.W.P.\***
- › 3,100 psig (214 bar)
- Temperature Range**
- › -325°F to 1200°F (-198°C to 648°C)
- Materials**
- › 316/321 SS wire braid & core
- Sizes**
- › 1/4 to 2 in.



# SSP

Founded 1926 • Privately owned, third generation family business • Modern manufacturing facility – 165,000 square feet •

Captive closed die forging operation • Integrated tool & die production

Nearly 200 machining centers • ISO 17025 testing laboratory • Automated warehouse retrieval system ISO 9001 quality management system • \$20,000,000 product liability insurance policy • DFARS-compliant raw material • EN 10204 3.1 certification • Limited Lifetime Warranty • ASME B31.3 design Canadian Registration Number OA98665 • Third Party Approvals from CSA, TÜV, DNV, and ABS



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