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.

Support where it counts. SSP products and services are supported by more than 4000 people and 350 distributor locations around the globe. For a distributor near you, contact SSP Customer Service or visit www.mySSP.com

Locked Bonnet Needle Valves
LN and HLN Series

M.A.W.P.  
10,000 psig (689 bar)  
Temperature  
-100 to 1200°F (-73 to 648°C)  
Flow Coefficient  
Up to 2.18  
Materials  
Body: 316 SS, Alloy 400, Alloy C-276  
Packing: PTFE, PEEK, Grafoil  
Stems: Vee, Soft-Seal, Regulating, Metering  
End Connections  
1/8 to 1 in. TF, NPT, BSPT, SAE, SW (6 to 12 mm TF only)

Rising Plug Needle Valves
LP Series

M.A.W.P.  
6000 psig (413 bar)  
Temperature  
-65 to 600°F (-53 to 315°C)  
Materials  
Body: 316 SS, Alloy 400  
Packing: PTFE, PEEK  
Seat: Acetyl, PEEK, PFA  
End Connection  
Sizes: 1/4, 1/2 and 3/4 in. inlet; 1/4 & 1/2 in outlet  
Types: NPT

Needle Gauge Valves
LNG Series

M.A.W.P.  
6000 psig (413 bar)  
Temperature  
-100 to 1200°F (-73 to 648°C)  
Materials  
Body: 316 SS, Alloy 400, Alloy C-276  
Packing: PTFE, PEEK, Flexible Graphite  
Stems: V, Soft-Seal, Regulating, Metering  
End Connection  
Sizes: 1/4, 1/2 and 3/4 in. inlet; 1/4 & 1/2 in outlet  
Types: NPT, Tube Socket Weld

Integral Bonnet Needle Valves
100 & 600 Series

M.A.W.P.  
6,000 psig (413 bar)  
Temperature Range  
-40°F to 600°F (-40°C to 315°C)  
Materials  
Body: 316 SS, Brass  
Packing: PTFE, PEEK  
Stems: 316 SS, PCTFE  
End Connection Sizes  
1/8 to 1/2 in. (6 to 12 mm TF)  
Options:  
Tee and knurled handles
### Ball Valve, General Utility

**300 Series**

- **M.A.W.P.**: 5,000 psig (345 bar)
- **Temperature**: -40°F to 350°F (-40°C to 176°C)
- **Materials**: Body: 316 SS, Brass
- **Seats**: PCTFE, PTFE
- **End Connections**: Sizes: 1/8 to 3/4 in. (6 to 12 mm TF only)
- **Types**: Tube Fitting, NPT, BSPT
- **Options**: 2-way and 3-way valves
- **Locking device, actuators, colored handles**

### Encapsulated Ball Valves

**EB Series**

- **M.A.W.P.**: 3,000 psig (206 bar)
- **Temperature**: -65 to 300°F (-53 to 148°C)
- **Materials**: Body: 316 SS, Alloy 400, Alloy C-276, Brass
- **Seat**: PTFE
- **End Connections**: Sizes: 1/16 to 3/4 in. (3 to 12 mm)
- **Types**: Tube Fitting, NPT, BSPT
- **Options**: Actuators, locking devices, colored handles

### Toggle Valve

**200 Series**

- **M.A.W.P.**: 200 psig (13.8 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.
- **Options**: Pneumatic Actuation, Colored Handles, Anti-Lock Handles

### Bleed Valves

**BV Series**

- **M.A.W.P.**: 10,000 psig (689 bar)
- **Temperature Range**: -65°F to 450°F (-4°C to 232°C)
- **Materials**: Body: 316 SS, Alloy 400
- **Seals**: PEEK and PTFE
- **Seals**: FKM, Low-Temp Nitrile, FFKM
- **End Connections**: Sizes: 1/4 to 1 in. (6 to 12 mm TF fitting)
- **Types**: Tube Fitting, FNPT, BSPT, SAE
- **Options**: 2-way and 3-way valves
- **Locking device, actuators, colored handles**

### Purge Valve

**4900 Series**

- **M.A.W.P.**: 6,000 psig (413 bar)
- **Temperature Range**: -65°F to 600°F (-54°C to 315°C)
- **Materials**: Body: 316 SS, Brass
- **Stems**: 10°, 2° (optional)
- **Packing**: PTFE, PEEK
- **End Connections**: Sizes: 1/8 to 1/2 in. (6 to 12 mm TF)
- **Types**: Tube Fitting, NPT, BSPT, SAE
- **Options**: Actuators, locking, colored handles, vents

### Trunnion Ball Valves

**TB Series**

- **M.A.W.P.**: 10,000 psig (689 bar) though all ports
- **Temperature Range**: -40°F to 450°F (-40°C to 232°C)
- **Materials**: Body: 316 SS, Alloy 400
- **Seats**: PCTFE, PEEK
- **End Connections**: Types: Tube Fitting, FNPT, BSPT, SAE
- **Sizes**: 1/8 to 1/2 in. (6 to 12 mm tube fitting)
- **Options**: 2-way and 3-way valves
- **Locking device, actuators, colored handles**

### Plug Valves

**PV Series**

- **M.A.W.P.**: 3,000 psig (206 bar)
- **Temperature Range**: -10°F to 400°F (-23°C to 204°C)
- **Materials**: 316 SS, Brass
- **Seals**: FKM, Nitrile, EPDM, Neoprene, Kalrez®
- **End Connections**: Sizes: 1/8 to 1/2 in. (6 to 12 mm TF)
- **Types**: Tube Fitting, NPT, BSPT
- **Options**: Vented valves, locking devices

### Pneumatic Actuators

**EB, TB & FB Series Ball Valves**

- Normally Open, Normally Closed, Double Acting, Dual Acting
- 90° and 180° actuation

**Options & Accessories**

- Standard, High and Low Temperature
- Solenoids, limit switches, and position sensors
- Anodize Aluminum, Corrosion Resistant Coatings and Stainless Steel Housings.
**Lift Check Valve**

**LC Series**

- **Presure:** 6,000 psig (413 bar)
- **Temperature Range:** -100°F to 900°F (-73°C to 482°C)
- **Materials:** Body: 316 SS, Alloy 400
- **End Connections:** Sizes: 1/8 to 3/4 in. (6 to 12 mm TF)
- **Types:** Tube Fitting, NPT, BSP, Tube Socket Weld

**Quick Connectors**

**QF Series**

- **Pressure:** 6,000 psig (413 bar)
- **Temperature Range:** -40°F to 400°F (-40°C to 204°C)
- **Materials:** Body: 316 SS, Brass
- **End Connections:** Sizes: 1/4 to 1 in. (6mm only)
- **Types:** Tube Fitting, NPT, BSPP

**Inline and Tee Filter**

**3100 & 3000 Series**

- **Pressure:** 5,000 psig (345 bar)
- **Temperature Range:** -20°F to 350°F (-28°C to 176°C)
- **Materials:** Body: 316 SS, Brass
- **End Connections:** Sizes: 1/8 to 1/2 in. (6 to 12 mm TF)
- **Types:** Tube Fitting, NPT
- **Filter Sizes:** Sintered: 1 to 200µm
  - Mesh: 140 & 400µm

**Proportional Relief Valves**

**R-Series**

- **M.A.W.P.**
  - RH Series: 6,000 psig (413 bar)
  - RL Series: 300 psig (20.6 bar)
- **Set Pressure**
  - RH Series: 6,000 psig (415 bar)
  - RL Series: 225 psig (15.5 bar)
- **Temperature Range**
  - RH Series: -40°F to 300°F (-40 to 148°C)
  - RL Series: -10°F to 350°F (-26 to 176°C)
- **Materials**
  - Body: 316 SS, Alloy 400, Alloy C-276
  - Seals: FKM, Nitrile, EPDM, Kalrez®
- **End Connections**
  - Sizes: 1/8 to 1 in. (6, 8 & 12 mm TF only)
  - Types: Tube Fitting, NPT, BSPT

**Tools, Couplings & Filters**

**TurnPro Tools**

- Tube Benders
- Tube Cutters
- Ratchet Wrenches
- Pre-Swaging Tools
- Reaming & Deburring Tools
- PTFE Thread Tape
- Hydraulic Swaging Tools
- Benchtop Coiled Tube Straightener
- PTFE Thread Tape
- Depth Marking Tools
- Gap Gages
- Tube Fitter’s Bag

**Quick Connectors**

**QC Series**

- **M.A.W.P.**
  - 3,000 psig (206 bar)
- **Temperature Range**
  - -50°F to 375°F (-45 to 190°C)
- **Cracking Pressure**
  - Fixed: 1/3 to 25 psig (0.2 to 1.7 bar)
  - Adjustable: 3 to 600 bar (0.2 to 41.3)
- **Materials**
  - Body: 316 SS, Brass
  - Seals: FKM, Nitrile, EPDM, Kalrez®
- **End Connections**
  - Sizes: 1/4 to 1/2 in.
  - Types: NPT, BSPT

**Ball Check Valve**

**4000 Series**

- **M.A.W.P.**
  - 6,000 psig (413 bar)
- **Temperature Range**
  - -15°F to 350°F (-26°C to 176°C)
- **Cracking Pressure**
  - 1/3 to 50 psig (0.2 to 3.4 bar)
- **Materials**
  - Body: 316 SS, Alloy 400, Brass
  - Seals: FKM, Nitrile
- **End Connections**
  - Sizes: 1/8 to 1/2 in.
  - Types: Tube Fitting, NPT, BSPT

**Check Valves**

**CH Series**

- **Pressure:** 6,000 psig (413 bar)
- **Temperature Range**
  - -100°F to 900°F (-73°C to 482°C)
- **Cracking Pressure**
  - 1/3 to 25 psig (0.02 to 1.7 bar)
- **Materials**
  - Body: 316 SS, Alloy 400, Alloy C-276
  - Seals: FKM, Nitrile, EPDM, Kalrez®
- **End Connections**
  - Sizes: 1/8 to 1 in. (6 to 12 mm TF only)
  - Types: Tube Fitting, NPT

**Check Valves**

**CP/CPA Series**

- **M.A.W.P.**
  - 3,000 psig (206 bar)
- **Temperature Range**
  - -50°F to 375°F (-45 to 190°C)
- **Cracking Pressure**
  - Fixed: 1/3 to 25 psig (0.2 to 1.7 bar)
  - Adjustable: 3 to 600 bar (0.2 to 41.3)
- **Materials**
  - Body: 316 SS, Brass
  - Seals: FKM, Nitrile, EPDM, Kalrez®
- **End Connections**
  - Sizes: 1/4 to 1/2 in.
  - Types: NPT, BSPT

**Quick Connectors**

**QC Series**

- **M.A.W.P.**
  - 6,000 psig (413 bar)
- **Temperature Range**
  - -40°F to 400°F (-40°C to 204°C)
- **Materials**
  - Body: 316 SS, Brass
  - Seals: FKM, Nitrile, EPDM, FFKM
- **End Connections**
  - Sizes: 1/4 to 1 in.
  - 6mm (Tube Fitting Only)
  - Types: Tube Fitting, NPT, BSPT, BSPP

**Check Valves**

**LC Series**

- **M.A.W.P.**
  - 6,000 psig (413 bar)
- **Temperature Range**
  - 100°F to 900°F (73°C to 482°C)
- **Materials**
  - Body: 316 SS, Alloy 400
- **End Connections**
  - Sizes: 1/8 to 3/4 in. (6 to 12 mm TF)
  - Types: Tube Fitting, NPT, BSP, Tube Socket Weld
**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, Alloy C-276

**Sizes**
- 1/16 to 2 in. (3mm-25mm)

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**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, Alloy C-276

**Sizes**
- 1/16 to 1 in.

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**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.

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**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

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**Seamless 316/316L Coiled Tubing**

**Sizes**
- 1/4 to /2 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

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**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, Alloy 400, Alloy C-276, brass

**Sizes**
- 1/16 to 2 in.

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For additional information and catalogs please visit [myssp.com/product-information/catalogs](http://myssp.com/product-information/catalogs)
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