



QUICK REFERENCE GUIDE

Fittings / Valves / Quick Couplings

Filters / Tubing / Tools



TUBE FITTINGS

HOSE, PIPE FITTINGS & TUBING

Duolok® Double-Ferrule Tube Fittings

M.A.W.P.*

- › ≤12,100 psig (834 bar) @ 100°F (38°C)

Temperature Range

- › -325°F (-198°C) to 1200°F (648°C)

Materials

- › 316ss, brass, carbon steel, alloy 400, C-276

Sizes

- › 1/16"-2" (3mm-25mm)



TruFit® Push-On Hose Fittings

M.A.W.P.*

- › ≤300 psig (21 bar)

Applications

- › Air & Multipurpose hose and flexible tubing

Materials

- › 316ss, brass

Sizes

- › 1/4"-1"



Unilok® Single-Ferrule Tube Fittings

M.A.W.P.*

- › ≤12,100 psig (834 bar) @ 100°F (38°C)

Temperature Range

- › -325°F (-198°C) to 1200°F (648°C)

Materials

- › 316ss, brass, carbon steel, alloy 400, C-276

Sizes

- › 1/16"-1"



TruFit® PTFE Core Hose Assemblies

M.A.W.P.*

- › ≤3,000 psig (200 bar)

Temperature Range

- › -65°F (-54°C) to 400°F (204°C)

Materials

- › Fittings: 316ss, Hose: 304ss wire braid, PTFE core

Sizes

- › 1/4"-1"



Griplok® Double-Ferrule Tube Fittings

M.A.W.P.*

- › ≤12,100 psig (834 bar) @ 100°F (38°C)

Temperature Range

- › -325°F (-198°C) to 1200°F (648°C)

Materials

- › 316ss, brass

Sizes

- › 1/16"-1"



TruFit® Flexible Metal Core Hose Assemblies

M.A.W.P.*

- › ≤3,100 psig (214 bar)

Temperature Range

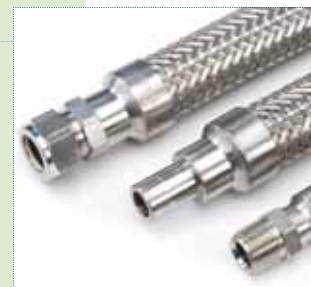
- › -325°F (-198°C) to 1200°F (648°C)

Materials

- › 316ss fittings, hose: 316ss core/321ss wire braid

Sizes

- › 1/4"-2"



TruFit® Pipe Weld, and Adapter Fittings

M.A.W.P.*

- › ≤10,000 psig (690 bar)

Temperature Range

- › -425°F (-254°C) to 1200°F (648°C)

Materials

- › 316ss, brass

Sizes

- › 1/16"-2"



Tubing

Seamless 316/316L Stainless Steel Tubing

- › Fractional:
 - › 1/4 to 1" OD
 - › 0.35 to .109" wall thickness
- › Metric
 - › 6 to 25 mm OD
 - › 1 to 2.5 mm wall thickness
- › Working pressures printed on the tube
- › Capped for cleanliness and protection
- › Lower hardness than specification improves tube grip and seal
- › Inspected and certified to ensure leak-free performance



Product Approvals & Accreditations



*Maximum Allowable Working Pressure (M.A.W.P.) based on lower of ASME B31.3 code, recommended tubing, or the design of integral port connections. Pressures listed for service at 100°F (38°C). M.A.W.P. varies with size, material, temperature, seals, end connections and configuration. See catalog for further information.

Duolok, Unilok, Griplok, TruFit and FloLok are registered trademarks of SSP

Expanite is a registered trademark of Expanite A/S

VALVES

Ball Valve, Medium-Pressure 300 Series

M.A.W.P.*

- › ≤5,000 psig (345 bar)

Temperature Range

- › -40°F (-40°C) to 350°F (176°C)

Materials

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

End Connection Sizes

- › 1/8"- 3/4"



Ball Valve, High-Pressure 83 Series

M.A.W.P.*

- › ≤6,000 psig (415 bar)

Temperature Range

- › -40°F (-40°C) to 450°F (232°C)

Materials

- › Body: 316ss, alloy 400

- › Seats: PCTFE, PEEK

End Connection Sizes

- › 1/8"- 1/2"



Plug Valve PV Series

M.A.W.P.*

- › ≤3,000 psig (200 bar)

Temperature Range

- › -10°F (-23°C) to 400°F (204°C)

Materials

- › 316ss, brass

End Connection Sizes

- › 1/8"- 3/8"



Toggle Valve 200 Series

M.A.W.P.*

- › ≤200 psig (14 bar)

Temperature Range

- › -20°F (-28°C) to 200°F (93°C)

Materials

- › 316ss, brass

End Connection Sizes

- › 1/8"- 3/8"



Needle & Metering Valves 100, 500, and 600 Series

M.A.W.P.*

- › ≤6,000 psig (415 bar)

Temperature Range

- › -40°F (-40°C) to 450°F (232°C)

Materials

- › 316ss, brass

End Connection Sizes

- › 1/8"- 1/2"



Lower Packing Needle Valves 400 Series

M.A.W.P.*

- › ≤5,000 psig (345 bar)

Temperature Range

- › -40°F (-40°C) to 450°F (232°C)

Materials

- › 316ss

End Connection Sizes

- › 1/8"- 1/2"



Poppet Check Valve, High-Pressure CH Series

M.A.W.P.*

- › ≤6,000 psig (415 bar)

Temperature Range

- › -15°F (-26°C) to 400°F (204°C)

Materials

- › 316ss

End Connection Sizes

- › 1/8"- 1"



Poppet Check Valves CP/CPA Series

M.A.W.P.*

- › ≤3,000 psig (206 bar)

Temperature Range

- › -10° to 375° F

End Connection Sizes

- › 1/4"- 1/2"

Fixed and Adjustable Cracking Pressures

- › More than 20 cracking pressures
1/3 to 600 psig



Ball Poppet Check Valve 4000 Series

M.A.W.P.*

- › ≤5,000 psig (345 bar)

Temperature Range

- › -15°F (-26°C) to 350°F (176°C)

Materials

- › Body: 316ss; O-ring: FKM

End Connection Sizes

- › 1/8"-3/4"



Purge Valve 4900 Series

M.A.W.P.*

- › ≤4000 psig (276 bar)

Temperature Range

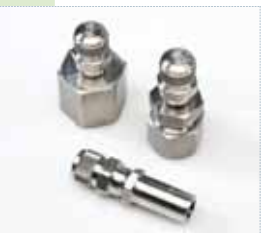
- › -65°F (-54°C) to 600°F (316°C)

Materials

- › 316ss, brass, steel

End Connection Sizes

- › 1/8"- 1/2"



Bleed Valves BV Series

M.A.W.P.*

- › ≤10,000 psig (689 bar)

Temperature Range

- › -65 to 850° F (-54 to 454° C)

Materials

- › 316ss, brass

End Connection Sizes

- › 1/8"- 1/2"



FILTERS, COUPLINGS, TUBING AND HAND TOOLS

Full-Flow Quick Connectors QF series

M.A.W.P.*

- › ≤6000 psig

Temperature Range

- › 40° to 350° F

Materials

- › 316ss, brass

Sizes

- › 1/4" - 1"



SESO/DESO Quick Connectors QC Series

M.A.W.P.*

- › ≤3,000 psig (207 bar)

Temperature Range

- › -40°F (-40°C) to 350°F (176°C)

Materials

- › 316ss, brass

Sizes

- › 1/8"-1/2"

Spillage

- › 0.3ml - 3.0ml



Inline and Tee Filter 3100 & 3000 Series

M.A.W.P.*

- › ≤5,000 psig (345 bar)

Temperature Range

- › -20°F (-28°C) to 450°F (232°C)

Materials

- › 316ss, brass

Sizes

- › 1/8" - 1/2"

Filtration

- › Strainer: 1-200 µm
- › Mesh: 140, 400 µm



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



Installation Accuracy Tools

Gap Gages

- › 1/4", 3/8", 1/2", 3/4", 1" sizes
- › 6mm, 10mm, 12mm, 18mm, 25mm sizes



Depth Marking Tools

- › 1/4", 3/8", 1/2" sizes
- › 6mm, 10mm, 12mm sizes



Ratchet Wrenches

For 1/4" to 1" tube fittings (3 to 25mm)

- › 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" (4 mm to 25 mm) O.D. tubing

- › Lower profile 4 1/4" swing radius
- › 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
- › Each tool is supplied with a spare cutter wheel



Inner-Outer Deburring Tool

Prepares tubing up to 1" (25 mm) O.D.

- › Reams and deburrs both inside and outside tube edges
- › Three tungsten hardened hollow ground steel cutters
- › Tough die cast body
- › Clockwise and counterclockwise deburring
- › Comfortable grip



Liquid Leak Detector

Detects gas leaks in hard to reach places

- › Temperature Range 32°F (0°C) to 200°F (93°C)
- › Composition: Deionized water and surfactant
- › Available in 8 oz and 1 gallon bottles
- › Extendable applicator for accurate testing
- › Non toxic, non corrosive, non flammable



Manual Pre-Swaging Tool

Presets ferrules prior to installation

- › 1/4" to 1/2" (6 to 12 mm) tube fittings
- › Fast and easy
- › Durable hardened steel for repeated presets
- › Separate tool is required for each size tube



PTFE Tape

Teflon and nickel impregnated tape

- › Available in 1/4" and 1/2" sizes
- › Meets Mil Spec A-A 58092
- › Temperatures up to 450°F (232°C)
- › Nickel Impregnated option also available



TRUE TO YOU MEANS...

Truthfulness

We are committed to open, honest, constructive communications.

Resourcefulness

We approach challenges with ingenuity and innovation, always ready to meet the needs of our customers.

Unity

We strive to build loyal, long-term relationships with our customers, associates and key suppliers.

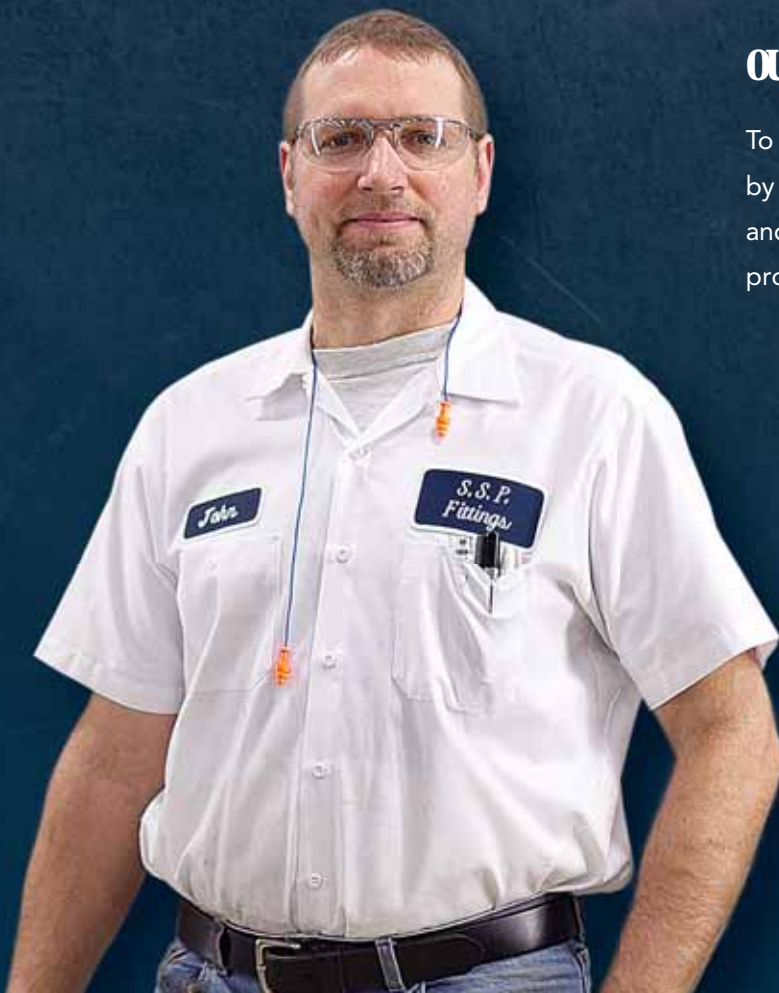
Execution

We are vertically integrated and equipped to achieve outstanding results through standardized processes.

Stated simply, we're here to help you succeed. We also understand that success is not the same for everyone. SSP TRUE values are not just words; they're our organizational DNA.

OUR MISSION

To build an American manufacturing success story by providing growth-oriented process measurement and controls distributors the best instrumentation products for the installer.



OUR FORMULA FOR A LEAK FREE CONNECTION



**SPECIFICATION
CONTROLLED TUBING**

Quality Tubing

- › Highest quality from dual-certified 316/316L American made tubing
- › Better assembly reliability through restricted tolerance control of hardness and outer diameter
- › Contaminant-free and fully protected with end-caps
- › Safety ensured by MAWP printed on each tube



**PRECISION
MACHINED FITTINGS**

Instrument Fittings

- › Confidence from manufacturer's Lifetime Warranty
- › Contaminant-free installation with individually bagged fitting
- › Positive identification of proper sizing from tube end marking
- › Reduced installer fatigue and improved consistency through lowest assembly torque in industry
- › Superior corrosion resistance through EXPANITE® component hardening



**PROPERLY
TRAINED INSTALLER**

Trained Installer

- › Training classes – facilitator and participant guides, CD, online
- › QR codes on installation cards inside packaging
- › Innovative tools

