



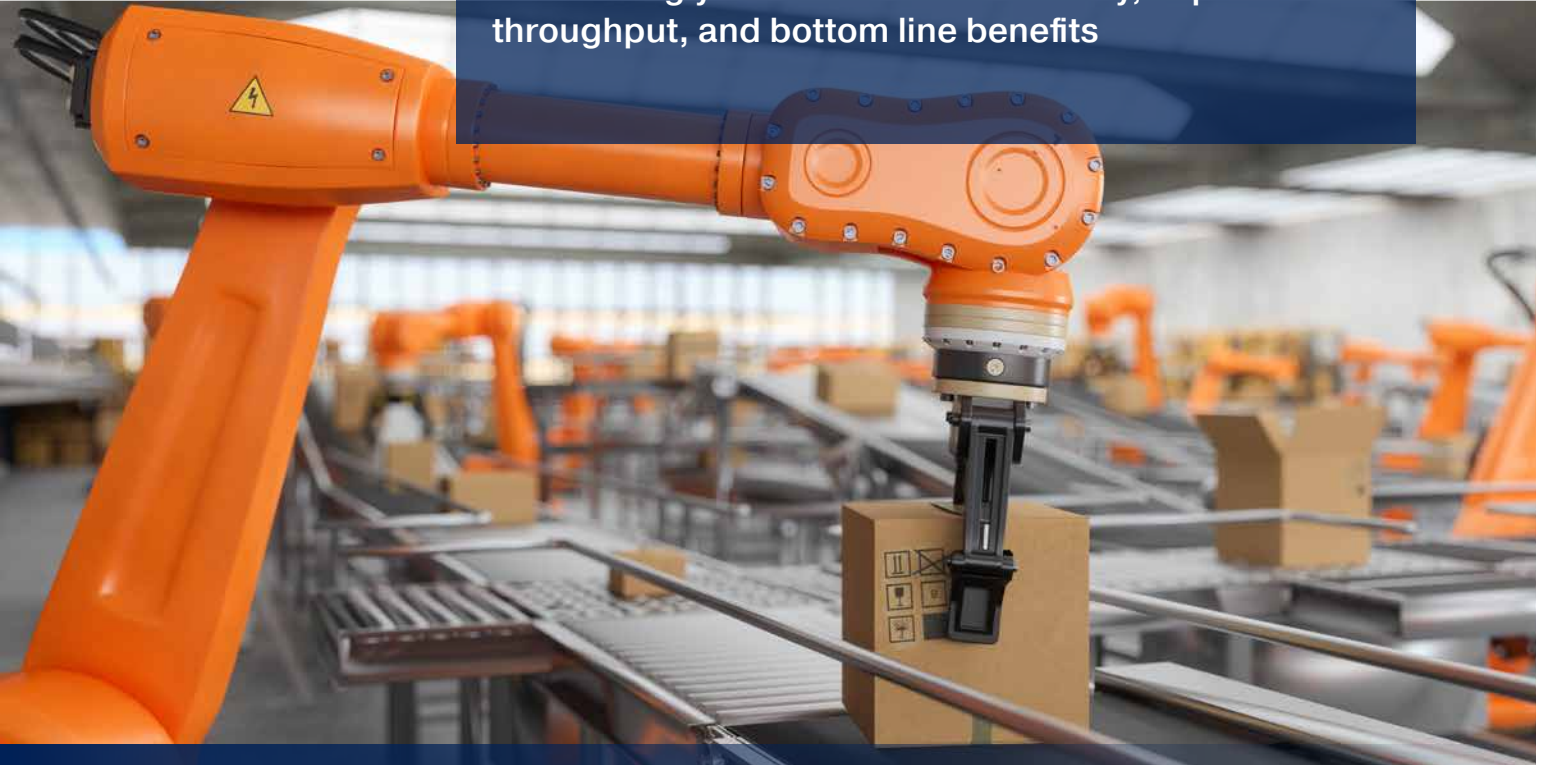
FLUID SYSTEM CONNECTORS

Quick Reference Guide
3500FSC-QRG | August 2024



INCREASING PERFORMANCE, STANDARDIZING INVENTORY IN FACTORY / PROCESS AUTOMATION

Connecting you to increased efficiency, improved
throughput, and bottom line benefits



MARKET APPLICATIONS

Processing | Transferring | Pneumatic Circuits | Cooling | Measuring | Robotic Welding

PERFORMANCE EXPECTATIONS

- Compact design
- Weld spatter resistance
- Robustness
- Vacuum performance
- High reliability
- Mechanical resistance
- Installation flexibility



WARNING

This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Fittings

PLP Metal Fittings

Compact push-to-connect nickel-plated brass fittings with excellent corrosion resistance. Nitrile seal; stainless steel grab ring. Compatible with a wide array of tubing.



PLP Composite / LF3000 Fittings

Glass-reinforced nylon 6.6 push-to-connect fittings provide high corrosion and chemical resistance. Nitrile seal; stainless steel grab ring.



PLM Metal / LF3600 Fittings

High phosphorous, FDA-compliant, chemical-resistant, nickel-plated collet and body push-to-connect fittings. Corrosion- and abrasion-resistant. FKM seal.



PLS Stainless Steel / LF3800 Fittings

With FKM seals, offer excellent resistance to aggressive environments and fluids. Smooth surface design reduces retention zones for safe and easy cleaning.



Valves

Check Valve

Allows air to pass in one direction while blocking flow in the other.



Pneumatic Slide Valve

Affects an immediate isolation of the air line by venting the system to atmosphere.



Stainless Steel Check Valve

Provides unidirectional flow. Ideally suited for harsh environments as well as conveying industrial fluids.



Exhaust Valve

Increases the return speed of the cylinder rod by allowing the exhaust to pass directly to atmosphere.



Pilot Operated Check Valve

Designed to protect installations by locking the air supply to the cylinder to keep it in position if the compressed air supply is removed.



Mini Ball Valves

Enables in-line opening and closing of a pneumatic circuit.



Blocking Valve

Prevents equipment damage in the event of a pressure loss.



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Flow Controls

Compact Flow Control

Excellent flow. Small size for reduced spaces.



Miniature Flow Control

For very small-sized pneumatic applications.



Swivel Outlet Flow Control

Allows a vertical or angled tube exit where access is tight.



Plug-in Flow Control

Mountable into existing fittings; allows very compact installations.



In-line Flow Control

Splices into the existing cylinder port line.



Compact Metal Flow Control

For severe conditions (temperatures, weld resistant, abrasion, etc.)



Other Applicable Products

Tubing

Flexible Nylon, Polyurethane, Weld Resistant in assorted colors and durometers.



Blow Guns and Nozzles

Wide range of assorted controlled pressure and full pressure blow guns with both thumb and pistol grip actuation. Vented nozzles in assorted styles and lengths prevent pressure buildup when dead ending occurs up to 150 psi.



Silencers

Bronze, polyethylene, and stainless steel silencers are available in threaded, miniature, plug-in, and flow control styles in a range of working pressures and temperatures.



Cartridges

Guarantee the integrity of the sealing system before and after assembly in non-threaded cavities. Compact design of our one-piece cartridges enables automation and improves system reliability.

3100 Carstick® Cartridge

Available in brass or nickel-plated brass.



PLMC / LF3600 Cartridge

Available in electroless nickel-plated brass.



PLSC / LF3800 Cartridge

Available in 316L Stainless Steel.



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How to Order

PLM, PLS, PLP Metal, and PLP Composite Fittings

| Fractional Inch | | | | | | | Metric | | | | | | | | | | | |
|-------------------------|------------------|----|-----|----|----|----|-----------------------|-----------------------|----|-----|---|----|---|---|---------------|-------|--------|--------|
| W | 3 | 69 | PLP | BJ | -4 | -2 | W | 3 | 69 | PLP | X | 6M | 2 | R | | | | |
| A | B | C | D | E | F | G | A | B | C | D | E | F | G | H | | | | |
| A Thread Sealant | | | | | | | D Fitting Series | | | | | | | | F Tube Size | | | |
| W | White Acrylic | | | | | | PLP | Composite & Metal | | | | | | | Inches | | Metric | |
| Blank | No Sealant | | | | | | PLM | All Metal | | | | | | | 2 | 1/8 | 4M | 4mm |
| B Body Material | | | | | | | PLS | Stainless Steel | | | | | | | 3 | 3/16 | 6M | 6mm |
| 1 | Metal Forging | | | | | | E Fitting Description | | | | | | | | 5/32 | 5/32 | 8M | 8mm |
| 3 | Composite | | | | | | X | Extended Male Elbow | | | | | | | 4 | 1/4 | 10M | 10mm |
| C Fitting Configuration | | | | | | | SP | Standpipe | | | | | | | 5 | 5/16 | 12M | 12mm |
| 62 | Union Y | | | | | | PD | Double Y | | | | | | | 6 | 3/8 | 14M | 14mm |
| 66 | Female Connector | | | | | | BJ | Banjo | | | | | | | 8 | 1/2 | 16M | 16mm |
| 68 | Male Connector | | | | | | TJ | Twin Banjo | | | | | | | G Thread Size | | | |
| 70 | Female Elbow | | | | | | DJ | Double Banjo | | | | | | | Inches | | Metric | |
| 64 | Union Tee | | | | | | BH | Bulkhead Union | | | | | | | 0 | 10-32 | 2 | 1/8 |
| 65 | Union Elbow | | | | | | DSP | Plug-in Multiple Y | | | | | | | 1 | 1/16 | 4 | 1/4 |
| 69 | Male Elbow | | | | | | RC | Rail Connector | | | | | | | 2 | 1/8 | 6 | 3/8 |
| 71 | Male Run Tee | | | | | | DRC | Double Rail Connector | | | | | | | 4 | 1/4 | 8 | 1/2 |
| 72 | Male Branch Tee | | | | | | BHP | Plug-in Bulkhead | | | | | | | 6 | 3/8 | M3 | M3X0.5 |
| 47 | Cross | | | | | | | | | | | | | | 8 | 1/2 | M5 | M5X0.8 |
| 79 | 45° Elbow | | | | | | | | | | | | | | M7 M7X1 | | | |
| 22 | Barbed Connector | | | | | | | | | | | | | | M10 M10X1 | | | |
| 32 | Union | | | | | | | | | | | | | | M12 M12X1.5 | | | |
| 24 | Multiple Tee | | | | | | | | | | | | | | H Thread Type | | | |
| 67 | Tube Reducer | | | | | | | | | | | | | | Metric | | | |
| 639 | Plug | | | | | | | | | | | | | | NPT | | | |
| | | | | | | | | | | | | | | R | BSPT | | | |
| | | | | | | | | | | | | | | G | BSPP | | | |



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Product Specifications

| Product Line | Temperature | Tube Sizes/PSI | | | | | | | | | | | | | |
|----------------------|----------------|----------------|-------|-------|------|-------|------|------|-----|-----|-----|------|------|------|------|
| | | 1/8" | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 4mm | 6mm | 8mm | 10mm | 12mm | 14mm | 16mm |
| PLP Composite | -4° to 175° F | 290 | 290 | 260 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 |
| PLP Metal | 0° to 200° F | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | | |
| PLM | -13° to 302° F | | 435 | | 435 | | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | |
| PLS | -13° to 302° F | | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | | |
| 90° Flow Control | 32° to 158° F | 145 | 145 | | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | |
| Swivel Flow Control | 32° to 158° F | | 145 | | 145 | | 145 | | 145 | 145 | 145 | 145 | 145 | | |
| In-Line Flow Control | 32° to 158° F | | 145 | | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | | |
| Plug-In Flow Control | 32° to 158° F | 145 | 145 | | 145 | | | | 145 | 145 | 145 | 145 | 145 | | |

Available

Tubing compatibility

| Product Line | Soft Metal Tubing | | Thermoplastic Tubing | | | |
|----------------------|-------------------|-----------------|----------------------|-------|-------------------------|-------------------|
| | Copper | Stainless Steel | Polyethylene | Nylon | 95 Shore A Polyurethane | FEP Fluoropolymer |
| PLP Composite | | | | | TS | |
| PLP Metal | | | | | | |
| PLM | G | G | | | | |
| PLS | G | G | | | | |
| 90° Flow Control | | | | | TS | |
| Swivel Flow Control | | | | | TS | |
| In-Line Flow Control | | | | | TS | |
| Plug-In Flow Control | | | | | TS | |

Compatible **G** Tubing must be Grooved **TS** Tube Support Needed

Flow Control Specifications

| Product | Material | | | Size | | Type of Adjustment | | Types of Threads | | | | |
|----------------------|----------|-------|-----------|---------|-----------|--------------------|----------|------------------|-----|------|------|--------|
| | Nylon | Brass | Stainless | Compact | Miniature | External | Knobless | NPT | UNF | BSPT | BSPP | Metric |
| 90° Flow Control | | | | | | | | | | | | |
| Swivel Flow Control | | | | | | | | | | | | |
| In-Line Flow Control | | | | | | | | | | | | |
| Plug-In Flow Control | | | | | | | | | | | | |

Available



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IN WATER AND BEVERAGE: KEEPING IT CLEAN, KEEPING IT SAFE

Connecting you to leak-free innovation,
smaller footprints, and faster assembly

MARKET APPLICATIONS

Filtration | Purification | Processing | Dispensing | Bottling | Treatment | Aeroponics

PERFORMANCE EXPECTATIONS

- Manufactured from FDA-compliant materials
- Meet NSF/ANSI/CAN 61 & NSF/ANSI-51 requirements for potable water contact
- Excellent chemical resistance
- Wide range of fluid compatibility
- Mechanical resistance
- Installation flexibility



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FITTINGS

LIQUIfit™ Fittings

An “eco-designed,” innovative alternative; no fluid contamination occurs and environmental protection is guaranteed. Compact, push-to-connect, full-flow fittings offer high chemical resistance to such things as chlorine, cleaning agents, and UV. Suitable for water, potable liquids, and neutral gas applications.



Fast & Tite® Fittings

A compression style fitting that installs in seconds without tools and provides a tight, sure, leak-proof seal without clamps or adjustments. Unique grab ring for tube retention, couples with a Nitrile O-ring, creates a positive seal and assures good tube retention with only hand tight assembly.



TrueSeal™ Thermoplastic Fittings

Lightweight, field attachable, push-to-connect fittings manufactured from FDA compliant materials. Available in acetyl, polypropylene, and black Kynar, TrueSeal fittings also offer NSF-51 compliance; NSF 61 compliance in gray acetyl. Widely used in water conditioning, filtration and reverse osmosis, as well as on water, soft drink, beer, wine, and condiment dispensing systems.



Par-Barb® Fittings

Multiple barb design generates the maximum gripping and sealing power when combined with a hose clamp. Fittings are injection molded from high strength, chemically inert thermoplastic materials.



Valves

LIQUIfit™ Polypropylene Ball Valves

With superior mechanical strength and chemical resistance, LIQUIfit ball valves meet all FDA and NSF-51 requirements for food contact. Low profile design saves space. Full flow, self-cleaning ball maintains the cleanliness of the circuit.



Fast & Tite™ Ball Valves

This range of ball valves uses compression technology to create a sure and tight connection. Use Parker's Fast and Tite fittings for low pressure applications such as water filtration, beverage dispensing, or on vacuum lines. Manufactured from black polypropylene material, these valves meet FDA and NSF-51 requirements for food contact.



TrueSeal™ Ball Valves

These polypropylene ball valves offer proven leak-free performance, as well as excellent corrosion resistance. Bidirectional flow maximizes productivity. Full flow, self-cleaning ball adds quality and durability.



Par-Barb Ball Valves

Injection molded from high strength, chemically inert, nylon thermoplastic. The multiple barb design generates the maximum gripping and sealing power when combined with a hose clamp. FDA and NSF 51 compliant.



Check Valve

One-way directional valve of acetal permits gases and liquids to flow in only one direction while blocking flow reversal.



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Other Applicable Products

TrueSeal™ Cartridges

Allow you to machine or mold a tube connection into your equipment or components, eliminating the need for threaded connections. Reduces material and assembly costs as well as potential leak paths. Withstands pressure up to 150 psi.



Tubing

Polyethylene for food contact and potable water applications. Kink-resistant polyurethane for food contact also exhibits excellent chemical resistance in chlorinated water applications. Assorted colors and durometers.



LIQUIfit™ Cartridges

Guarantees the integrity of the sealing system before and after assembly in non-threaded cavities. Compact, one-piece cartridges are available in brass and nickel-plated brass. Self-centering design. Withstands pressure up to 230 psi.



How to Order

LIQUIFIT™ Fittings

Fractional Inch

| | | | | |
|----------|----------|----------|----------|----------|
| 6505 | 56 | 11 | W | P2 |
| A | B | C | D | E |

Metric

| | | | | |
|----------|----------|----------|----------|----------|
| 6509 | 06 | 13 | W | P2 |
| A | B | C | D | E |

A Fitting Configuration

| | | | | | |
|------|------------------|------|-------------------|------|--------------------|
| 6505 | Male Connector | 6340 | Union Y Connector | 6382 | Plug-in Elbow |
| 6315 | Female Connector | 6366 | Reducer | 6383 | Plug-in Run Tee |
| 6306 | Union Connector | 6388 | Plug-in Tee | 6326 | Plug |
| 6404 | Union Tee | 6307 | Cross | 6322 | Stem to Hose Barb |
| 6316 | Bulkhead Union | 6351 | End Stop | 6503 | Swivel Run Tee |
| 6579 | Fixed Elbow | 6521 | Stem Adapter | 6548 | Swivel Y Connector |
| 6353 | Faucet Connector | 6509 | Swivel Elbow | 6380 | Plug-in 45° Elbow |
| 6302 | Union Elbow | 6508 | Swivel Branch Tee | | |

B Tube/Stem Size

| Inches | | Metric | |
|--------|------|--------|------|
| 11 | 1/8 | 04 | 4mm |
| 56 | 1/4 | 06 | 6mm |
| 08 | 5/16 | 08 | 8mm |
| 60 | 3/8 | 10 | 10mm |
| 62 | 1/2 | 12 | 12mm |

C Thread or Tube O.D.

| Inches | | Metric | |
|--------|-----------------------------------|--------|------|
| 00 | Same Size as Tube (Inch & Metric) | | |
| 11 | 1/8 | 04 | 4mm |
| 14 | 1/4 | 06 | 6mm |
| 18 | 3/8 | 08 | 8mm |
| 22 | 1/2 | 10 | 1/8 |
| 133 | 7/16-24 | 12 | 12mm |
| | | 14 | 14mm |
| | | 13 | 1/4 |
| | | 17 | 3/8 |
| | | 21 | 1/2 |

D Color Code

| | |
|---|-------|
| W | White |
| G | Gray |

E Packaging

| | |
|----|--------------------|
| P2 | Standard Packaging |
|----|--------------------|



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How to Order

TrueSeal™ (Inches)

A 4 ME 2 -MG
A B C D E

A Fitting Material

| | |
|-----|---------------------|
| A | Acetal |
| PP | Polypropylene |
| PPB | Black Polypropylene |
| FB | Black Kynar |

B Tube Size

| | | | |
|---|------|---|-----|
| 4 | 1/4 | 6 | 3/8 |
| 5 | 5/16 | 8 | 1/2 |

C Fitting Configuration

| | |
|-----|---------------------------|
| MC | Male Connector |
| EU | Elbow Union |
| TU | Tee Union |
| WY | "Y" Union |
| MES | Male Elbow Swivel |
| MRS | Male Run Swivel |
| MTS | Male Tee Swivel |
| UC | Union |
| CU | Cross |
| FA | Faucet Adapter |
| FC | Female Connector |
| FF | 45° Female Flare |
| TMC | Tube Stem Adapter |
| BU | Bulkhead Union |
| TEU | Tube Elbow Union |
| RD | Tube Reducer |
| CAP | Tube Cap |
| FE | Female Elbow |
| ME | Male Elbow |
| ST | Straight Thread |
| TCB | Tube-to-Barb Stem |
| TEB | Tube Elbow Barb Connector |
| TPL | Plug |

D Thread Size

| | | | |
|---|-----|---|---------|
| 2 | 1/8 | 7 | 7/16-24 |
| 4 | 1/4 | 8 | 1/2 |
| 6 | 3/8 | 9 | 9/16-18 |

E Gripper Material

| | |
|-------|-----------------|
| MG | Metal Gripper |
| Blank | Plastic Gripper |



Certified to
NSF/ANSI 61

COMPONENT



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How to Order

Fast & Tite® Fittings (Inches)

- P
- 4
- MC
- 2
- A
- B
- C
- D

A Fitting Material

- P
- Black Polypropylene
- N
- White Nylon

B Tube Size

- 4
- 1/4
- 5
- 5/16
- 6
- 3/8
- 8
- 1/2
- 10
- 5/8

C Fitting Configuration

- MC
- Male Connector
- UC
- Union
- ME
- Male Elbow
- EU
- Union Elbow
- BU
- Bulkhead
- FE
- Female Elbow
- FC
- Female Connector
- MR
- Male Run Tee
- TU
- Union Tee
- MT
- Male Branch Tee
- GR
- Grab Ring
- NS
- Nut and Spacer Sets
- TS
- Tube Support
- OR
- O-Ring

D Thread Size

- 2
- 1/8
- 4
- 1/4
- 6
- 3/8
- 8
- 1/2
- 12
- 3/4

How to Order

Par-Barb® Fittings (Inches)

- 325
- HB
- 4
- 2
- PP
- A
- B
- C
- D
- E

A Fitting Configuration

- 322
- Union
- 364
- Union Tee
- 365
- Union Elbow
- 318
- Hex Plug
- 316
- Hex Nipple
- 326
- Female Connector
- 372
- Male Branch Tee
- 329
- Male Elbow
- 316
- Garden Hose Adapter
- 325
- GH Swivel Hose Barb Stem

B Fitting Type

- HB
- Hose Barb
- P
- Pipe

C Tube/Hose I.D.

- 3
- 3/16
- 8
- 1/2
- 4
- 1/4
- 10
- 5/8
- 5
- 5/16
- 12
- 3/4
- 6
- 3/8
- 16
- 1

D Thread Size

- 2
- 1/8
- 8
- 1/2
- 4
- 1/4
- 12
- 3/4
- 6
- 3/8

E Fitting Material

- PP
- Black Polypropylene
- N
- White Nylon



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Product Specifications

| Product Line | Temperature | Tube Sizes/PSI | | | | | | | | | | | |
|---------------------------|----------------|----------------|-------|-------|------|-------|------|------|-----|-----|-----|------|------|
| | | 1/8" | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 4mm | 6mm | 8mm | 10mm | 12mm |
| LIQUIfit Inch | 35° to 200° F | | 230 | | 230 | 230 | 190 | 160 | | | | | |
| LIQUIfit Metric | 35° to 200° F | | | | | | | | 230 | 230 | 230 | 190 | 160 |
| TrueSeal Acetal | -20° to 180° F | | | | 300 | 300 | 300 | 250 | | | | | |
| TrueSeal Polypropylene | 0° to 225° F | | | | 150 | 150 | 150 | 150 | | | | | |
| TrueSeal Kynar | 0° to 275° F | | | | 300 | 300 | 300 | 250 | | | | | |
| Fast & Tite Polypropylene | 0° to 212° F | | | | 300 | 300 | 250 | 200 | | | | | |
| Fast & Tite Nylon | 40° to 200° F | | | | 300 | 300 | 250 | 200 | | | | | |
| Par-Barb Polypropylene | 0° to 212° F | | | | 125 | 125 | 125 | 125 | | | | | |
| Par-Barb Nylon | -40° to 200° F | 125 | | 125 | 125 | 125 | 125 | 125 | | | | | |
| TrueSeal Ball Valves | 35° to 225° F | | | | 150 | 150 | 150 | 150 | | | | | |
| LIQUIfit Ball Valves | 35° to 200° F | | | | 150 | 150 | 150 | 150 | | 150 | 150 | 150 | |
| Par-Barb Ball Valves | 35° to 200°F | | | | 150 | 150 | 150 | 150 | | | | | |
| Fast & Tite Ball Valves | 35° to 200°F | | | | 150 | 150 | 150 | 150 | | | | | |
| TrueSeal Check Valves | -34° to 150°F | | | | | | 300 | | | | | | |

Tubing Compatibility

| Product Line | Soft Metal Tubing | | Thermoplastic Tubing | | | | | |
|--------------|-------------------|-----------------|----------------------|-------|-------------------------|---------------|---------------|-------|
| | Copper | Stainless Steel | Polyethylene | Nylon | 95 Shore A Polyurethane | Polypropylene | Fluoropolymer | Vinyl |
| LIQUIfit | | | | | | | | |
| TrueSeal | G | G | | MG | TS | MG | MG | TS |
| Fast & Tite | | | | | | | | |
| Par-Barb | | | | | | | | |

Compatible **G** Grooved **TS** Tube Support **MG** Metal Gripper



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IN TRANSPORTATION, GLOBAL LOGISTICS AND VENDOR PARTNERSHIPS

Connecting you to higher productivity, increased
efficiencies, and improved inventory management



MARKET APPLICATIONS

Air Brakes | Cab Controls | Fuel System | Engine | Transmission | Cooling | Air Tanks

PERFORMANCE EXPECTATIONS

- Compact design
- Impact resistance
- Meets DOT and SAE requirements
- Robustness
- Vibration resistance
- High reliability
- High temperature resistance
- Installation flexibility



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Fittings

Brass PTC Fittings

Robust, all-brass push-to-connect fittings meet SAE J2494 and DOT specifications. Designed for all DOT truck and trailer applications. Reduce assembly time versus compression style fittings by 90%. Ideal for tight applications with difficult wrench clearance. Use with Parflex SAE J844 typ



Composite PTCR Fittings

Lightweight, composite push-to-connect fittings meet SAE J2494 and DOT specifications. Designed for all DC truck and trailer applications. Reduce assembly time versus compression style fittings by 90%. Use with Parflex SAE J844 type A and B tubing.



Transmission Fittings

For pressure-protected pneumatic transmission applications. Offer a specially designed slotted sleeve to help eliminate notch stress related to over-torque. Electroless nickel-plated bodies work with bio-diesel. Use with SAE J844 type A nylon tubing.



Vibra-Lok Fittings

Excellent for high vibration, high heat, mechanical shock, or tube movement applications. The sleeve cushions the tubing, permitting it to flex back and forth in the fitting. Seal design compensates for tube misalignment and tube surface defects. Use with seamed or seamless metal tubing: copper, aluminum, steel (Bundy), stainless steel, and glass.



NTA Fittings

The most economical air brake solution, meeting DOT and SAE specifications. Also excellent for diesel fuel applications. Utilize a ribbed sleeve for compression and positive grip. Electroless nickel-plated bodies work with bio-diesel.



Air Brake Hose End Fittings

Parker's Air Brake Hose fittings are field attachable and engineered for use with Parker 271 Air Brake Hose. Easy to assemble and disassemble, the fittings utilize a slotted sleeve for compression and positive grip. They meet DOT FMVSS571.106 when used with SAE J1402 Air Brake Hose.



VALVES

Truck Valves

Brass valves with metal-to-metal seats and fine-thread screw-down for positive sealing up to the valve's capacity. Available with pipe, flare, NTA and hose barb end configurations.



Lanyard Valve

Compact brass valve designed for releasing condensate from air tanks. Specially formulated low temperature seal remains elastic down to -40°F.



Drain Cocks / Ground Plug Shutoff Valves

Manufactured with cast or forged bodies for extra strength. Hand tightening provides a metal-to-metal seal. Available with pipe, flare and compression ends.



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Other Applicable Products

SAE Encapsulated Cartridges

Guarantee the integrity of the sealing system before and after assembly in non-threaded cavities. Compact, one-piece cartridges are available in brass and nickel-plated brass. Self-centering design. Withstands pressure up to 250 psi.



Compressed Biodiesel (CBD) Fittings

CBD fittings utilize a ribbed sleeve for compression and positive grip. The electroless nickel plating provides superior chemical compatibility for fuels containing greater than 20% biodiesel.



Manifolds

Provide multiple tube junction connections in truck air applications. Brass and glass filled nylon bodies. Contact us for custom designs.



Straight Thread O-Ring (STO) Fittings

Straight Thread O-Ring (STO) Fittings are growing in popularity and replacing NPTF fittings on air brake applications. STO Fittings simplify installation and provide a tighter seal over traditional pipe threads.



How to Order

NTA, AB, Transmission Fittings (Inches)

VS 2 69 NTA -4 -2
A **B** **C** **D** **E** **F**

A Thread Sealant

VS Vibra Seal

B Body Material

1 Forged Brass
 2 Extruded Brass

D Product Series

NTA NTA
 AB Air Brake
 TF Transmission
 VL Vibra-Lok

C Fitting Configuration

| | | | | | |
|----|-------------|----|------------------|----|-----------------|
| 60 | Sleeve | 65 | Union Elbow | 71 | Male Run Tee |
| 61 | Nut | 66 | Female Connector | 72 | Male Branch Tee |
| 62 | Union | 68 | Male Connector | 79 | 45° Male Elbow |
| 63 | Tube Insert | 69 | Male Elbow | | |
| 64 | Union Tee | 70 | Female Elbow | | |

E Tube Size

| | | | |
|------|------|----|-----|
| 2 | 1/8 | 6 | 3/8 |
| 3 | 3/16 | 8 | 1/2 |
| 5/32 | 5/32 | 10 | 5/8 |
| 4 | 1/4 | 12 | 3/4 |

F Thread Size

| | | | |
|---|------|----|-----|
| 1 | 1/16 | 6 | 3/8 |
| 2 | 1/8 | 8 | 1/2 |
| 4 | 1/4 | 12 | 3/4 |



WARNING

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How to Order

Composite PTCR, Brass PTC, Vibra-Lok Fittings (Inches)

VS 1 69 PTC NS -4 -2
A **B** **C** **D** **E** **F** **G**

| A Thread Sealant | | C Fitting Configuration | | | | | |
|------------------------------|-------------------------|--------------------------------|------------------|----------------------|----------------------|-----|---------------------------------|
| VS | Vibra Seal | 32 | Union | 69 | Male Elbow | 685 | Male Connector Straight Thread |
| | | 37 | Adapter | 70 | Female Elbow | 695 | Male Elbow Straight Thread |
| B Body Material | | 62 | Union | 71 | Male Run Tee | 715 | Male Run Tee Straight Thread |
| 1 | Forged Brass | 64 | Union Tee | 72 | Male Branch Tee | 725 | Male Branch Tee Straight Thread |
| 3 | Composite | 65 | Union Elbow | 77 | Female Branch Tee | | |
| | | 66 | Female Connector | 79 | 45° Male Elbow | | |
| | | 68 | Male Connector | 89 | Dual Port Male Elbow | | |
| D Fitting Series | | F Tube Size | | G Thread Size | | | |
| PTC | PTC Brass | 4 | 1/4 | 2 | 1/8 | | |
| PTCR | PTCR Composite | 6 | 3/8 | 4 | 1/4 | | |
| VL | Vibra-Lok | 8 | 1/2 | 6 | 3/8 | | |
| | | 10 | 5/8 | 8 | 1/2 | | |
| | | 12 | 3/4 | 12 | 3/4 | | |
| E Fitting Description | | | | | | | |
| SP | Plug-in | | | | | | |
| BHR | Retaining Ring Bulkhead | | | | | | |
| BH | Bulkhead | | | | | | |
| NS | Non-swivel | | | | | | |
| L | Long rigid | | | | | | |
| R | Positional | | | | | | |



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Product Specifications

| | Temperature | 1/8" | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 4mm | 6mm | 8mm | 10mm | 12mm | 16mm | Type |
|-----------------------|--|------|-------|-------|-------|-------|------|------|------|------|------|-----|-----|-----|------|------|------|---------------------|
| PTCR | -40°F to 200°F | | | | 250 | | 250 | 250 | 250 | 250 | | | | | | | | Push-to- Connect |
| Brass PTC | -40°F to 200°F | | 250 | | 250 | | 250 | 250 | 250 | 250 | | | 250 | 250 | 250 | 250 | 250 | |
| SAE Cartridges | -40°F to 200°F | | 250 | | 250 | | 250 | 250 | 250 | 250 | | | | | | | | |
| Manifolds | Pressure and temperature dependent upon manifold configuration | | | | | | | | | | | | | | | | | |
| NTA | -40°F to 200°F | | | 150 | 150 | | 150 | 150 | 150 | 150 | | | | | | | | Compression |
| Air Brake | -65°F to 250°F | | | | 400 | | 400 | 400 | 400 | 400 | | | | | | | | |
| Transmission Fittings | -40°F to 200°F | 150 | 150 | | | | | | | | | | | | | | | |
| Vibra-Lok | -30°F to 275°F | | | 1,000 | 1,000 | 900 | 700 | 500 | 400 | | | | | | | | | |
| Air Brake Hose | -65°F to 250°F | | | | | | 400 | 400 | | | | | | | | | | |
| Truck Valves | -30°F to 250°F | | | | | | 150 | 150 | 150 | 150 | | | | | | | | Valve |
| Lanyard Valve | -40°F to 200°F | | | | 150 | | | | | | | | | | | | | |
| Drain Cocks | -65°F to 250°F | 150 | | | 150 | | 150 | | | | | | | | | | | |
| Ground Plug Shutoff | 32°F to 125°F | 30 | | | 30 | | 30 | | | | | | | | | | | |

Maximum working pressure (psi) by tube size at 73°F

Tubing Compatibility

| | Copper | Aluminum | Steel | Nylon N | Nylon PAT | PFT Air Brake (SAE J844) Inch | Air Brake DIN 74324 (Nylon 12) | PFT Diesel Fuel | HTFL Diesel Fuel | Parker 271Hose (SAE J1402) |
|-----------------------|--------|----------|-------|---------|-----------|----------------------------------|-----------------------------------|--------------------|---------------------|-------------------------------|
| PTCR | | | | | | | | | | |
| Brass PTC | | | | | | | | | | |
| SAE Cartridges | | | | | | | | | | |
| NTA | | | | | | | | | | |
| Air Brake | | | | | | | | | | |
| Transmission Fittings | | | | | | | | | | |
| Vibra-Lok | | | | | | | | | | |
| Air Brake Hose | | | | | | | | | | |

 Compatible



WARNING

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IMPROVING DURABILITY, LESSENING RISK IN PETROCHEMICAL MANUFACTURING

Connecting you to higher productivity, faster
assembly, and leak-free innovation

MARKET APPLICATIONS

Processing | Transferring | Cooling | Measuring | Pneumatic Circuits

PERFORMANCE EXPECTATIONS

- Quality traceability
- High chemical resistance
- Robust design
- Excellent chemical compatibility
- Wide temperature range



WARNING

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Compression Fittings

Compression Fittings

An economical, all brass compression fitting with numerous connection options. Available in both inch and metric sizes, these fittings are rated for use with thermoplastic, copper, and aluminum tubing. Fittings require no tube flaring, soldering, or other tube prep before assembly.



Compress-Align® Fittings

Pre-assembled with a captive sleeve, always oriented for a faster installation. Commonly used in pneumatic systems and plumbing applications, these fittings align to seal even out-of-round tubing.



Poly-Tite Fittings

Compact, pre-assembled compression style fittings designed for fast assembly. An exclusive acetal copolymer sleeve offers superior resilience to resist creeping and stress caused by compression.



Hi-Duty Flareless Fittings

Preassembled with the sleeve machined into the nut. During assembly the sleeve breaks away from the nut to create a seal on the tubing. Rated to a much higher pressure rating than compression fittings, Hi-Duty will work with seamless steel tubing as well as copper, brass, and thermoplastic tubing.



Flared Fittings

45° Flared Fittings

An economical choice for a metal-to-metal seal that resists mechanical pullout; ideal for refrigerants, natural gas, propane, fuels, and other "hard to hold" liquids and gases. Common applications include flammable liquids and gases and hydraulic brakes. Meets functional requirements of SAE J512 and SAE J513.



Inverted Flared Fittings

Offer similar performance to 45° flared fittings, except the metal-to-metal seal is internal to the fitting for tighter tube bends. Ideal for flammable liquids and gases and plumbing applications. These fittings are listed with UL and meet the functional requirements of SAE J512.



Barbed Fittings

Dubl-Barb® Fittings

An economical, one-piece, push-on brass barbed fitting that does not require any type of clamp. Applications include pneumatic systems and climate control. These compact fittings are a quick way to connect polyethylene tubing.



Hose Barb Fittings

An economical choice for general-purpose fluid handling and pneumatics. Manufactured in both regular hose barb and beaded hose barb styles. Intended for use with 97HC hose clamps, similar type of clamps or a crimped ferrule.



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Other Fittings

Pipe Fittings

These all-brass fittings meet the functional requirements for SAE J530 and SAE J531. Inch and metric fitting threads are made to dryseal standards. These reusable fittings are available with NPT, BSPT, BSPP, and metric pipe threads.



Garden Hose Fittings

Connect garden hose to other garden hose, to pipe, or to tubing. Swivel connections allow hose to twist without kinking. All-brass construction; high flow.



ISO Port Adapters

Parker's ISO Port Adapters are ideal for systems with high pressure and cycling, providing reliable, long-term sealing. Since a fluorocarbon O-ring is standard, no thread sealant is needed. This helps reduce maintenance and component replacement costs caused by contamination and damage from sealants. Our ISO port adapters meet dimensional requirements of ISO 6149-3 and SAE 2244-3.



Valves

Axial Valves

Incorporate both the valve and actuation function. With pneumatic or electro-pneumatic control, these valves avoid many of the restrictions associated with traditional actuators.



Access Valves

Designed to offer convenient, low cost access ports for refrigeration service. Access valves may be installed in any position on either the high or low side for quick testing, pressure checking, purging, or charging.



Ball Valves

Available in brass, stainless steel, carbon steel and polypropylene in sizes from 1/8" to 3". Includes 90° valves, straight thread O-ring valves, solder ends, panel mount valves, 3-way and 4-way valves, miniature and micro valves. Options include tee, oval, padlocking wedge and lever handles, actuators, and stainless steel componentry.



Drain Cocks / Ground Plug Shutoff Valves

Manufactured with cast or forged bodies for extra strength. Hand tightening provides a metal-to-metal seal. Available with pipe, flare and compression ends.



Needle Valves

All brass needle valves have metal-to-metal seats with fine thread screwdown. The specially formulated low temperature seal remains elastic to temperatures as low as -40°F (-40°C).



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How to Order

Compression, Compress-Align®, Poly-Tite, Hi-Duty, 45° Flared, Inverted Flared, and Hose Barb Fittings (Inches)

VS 1 69 CA BH -4 -2
A B C D E F G

A Prefix

VS Vibra Seal
 NI Nickel Plating
 ENI Electroless Nickel Plating
 OX Oxygen Cleaned

B Body Material

1 Metal Forging

C Fitting Configuration

60 Sleeve
 61/41 Nut/Nut & Sleeve
 62/42 Union
 66/46 Female Connector
 68/48 Male Connector
 64/44 Union Tee
 65/55 Union Elbow
 69/49 Male Elbow
 70/50 Female Elbow
 71/51 Male Run Tee
 72/45 Male Branch Tee
 76/56 Adapter Tee
 77 Female Branch Tee
 79/59 45° Elbow
 639 Plug

D Fitting Series

C Compression

CA Compress-Align
 P Poly-Tite
 HD Hi-Duty
 F 45° Flare
 IF Inverted Flare
 HB Hose Barb

E Suffix

BH Bulkhead
 NS Non-swivel
 S Swivel
 SS Stainless Steel

F Tube Size

Inches
 -2 1/8
 -3 3/16
 -4 1/4
 -5 5/16
 -6 3/8
 -7 7/16
 -8 1/2
 -10 5/8
 -12 3/4
 -14 7/8
 -16 1

G Thread Size

Inches
 -1 1/16
 -2 1/8
 -4 1/4
 -6 3/8
 -8 1/2
 -12 3/4



WARNING

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Product Specifications Industrial Ball Valves

| | Type | Body Material | Temperature | | Maximum Pressure | |
|--------------------|--------------------------------|---------------------|---------------|-----------------|--------------------------------------|----------------------------------|
| | | | MIN. | MAX. | PSI | BAR |
| 500 Series | Female/Female | Brass | 0°F (-18°C) | 350°F (176°C) | 600 | 41 |
| 501 Series | Male/Female | Brass | 0°F (-18°C) | 350°F (176°C) | 600 | 41 |
| 502 Series | Panel Mount | Brass | 0°F (-18°C) | 350°F (176°C) | 600 | 41 |
| 506 Series | Straight Thread | Brass | 0°F (-18°C) | 350°F (176°C) | 600 | 41 |
| 509 Series | Solder Ends | Brass | 0°F (-18°C) | 470°F (243.3°C) | 600 | 41 |
| 510 Series | Male/Female Straight Thread | Brass | 0°F (-18°C) | 350°F (176°C) | 600 | 41 |
| 520 Series | Female/Female | Brass | -40°F (-40°C) | 350°F (176°C) | 600 | 41 |
| 525 Series | Female/Female | Brass | -40°F (-40°C) | 350°F (176°C) | 600 | 41 |
| 533 Series | 3-Way Diversion | Brass | -20°F (-29°C) | 350°F (176°C) | 400 | 27 |
| 540 Series | 4-Way | Brass | -20°F (-29°C) | 350°F (176°C) | 400 | 27 |
| 590/591 Series | Right Angle | Brass | -50°F (-45°C) | 350°F (176°C) | 250 | 17 |
| 500HB Series | Hose Barb | Brass | 0°F (-18°C) | 350°F (176°C) | 150 | 10 |
| 600 Series | Six Port Diversion | Brass | 0°F (-18°C) | 250°F (121°C) | 150 | 10 |
| 500CS/502CS Series | Female/Female | Carbon Steel | -20°F (-29°C) | 425°F (218°C) | 2,000 (1/4 - 1) 1,500 (1 1/4 - 2) | 137 (1/4 - 1) 103 (1 1/4 - 2) |
| 506CS Series | Straight Thread | Carbon Steel | -20°F (-29°C) | 425°F (218°C) | 3,000 | 206 |
| 500HP/506HP Series | High Pressure | Carbon Steel | -10°F (-23°C) | 210°F (99°C) | 6,000 | 413 |
| 501SS | Male/Female | Stainless Steel | 0°F (-18°C) | 400°F (204°C) | 2,000 | 137 |
| 502SS | Female/Female | Stainless Steel | 0°F (-18°C) | 400°F (204°C) | 2,000 (1/4 - 1) 1,500 (1 1/4 - 2) | 137 (1/4 - 1) 103 (1 1/4 - 2) |
| 708 Series | Male/Female | Brass | -35°F (-37°C) | 300°F (148°C) | 500 | 34 |
| 709 Series | Female/Female | Brass | -35°F (-37°C) | 300°F (148°C) | 500 | 34 |
| 200 Series | Female/Female | Chrome Plated Brass | 0°F (-18°C) | 200°F (93°C) | 200 | 13 |
| 608 Series | Male/Female | Brass | 0°F (-18°C) | 200°F (93°C) | 450 | 31 |
| 609 Series | Female/Female | Brass | 0°F (-18°C) | 200°F (93°C) | 450 | 31 |

Product Specifications Plug Valves

| | Type | Body Material | Temperature | | Maximum Pressure | |
|------------|---------------|---------------|---------------|--------------|------------------|-----|
| | | | MIN. | MAX. | PSI | BAR |
| 607 Series | Male/Male | Brass | -40°F (-40°C) | 175°F (79°C) | 250 | 17 |
| 608 Series | Male/Female | Brass | -40°F (-40°C) | 175°F (79°C) | 250 | 17 |
| 609 Series | Female/Female | Brass | -40°F (-40°C) | 175°F (79°C) | 250 | 17 |



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Product Specifications Compression, Compress-Align®, Poly-Tite, Hi-Duty, 45° Flared, Inverted Flared, and Hose Barb Fittings

| | Temperature | 1/8" | 5/32" | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 1" | Type |
|-----------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------------|
| Compress-Align* | -65°F to 200°F | 2,800 | | 1,900 | 1,400 | 1,200 | 1,000 | 750 | 650 | 550 | 450 | 350 | Compression |
| Compression (Metric Available) | -65°F to 200°F | 2,800 | | 1,900 | 1,400 | 1,200 | 1,000 | 750 | 650 | 550 | 450 | 350 | |
| Poly-Tite | 0°F to 150°F | | | | 150 | 150 | 150 | 150 | | | | | |
| Hi-Duty | -65°F to 250°F | 4,300 | | 2,850 | 2,100 | 1,800 | 1,500 | 1,150 | 1,000 | | | | |
| 45 Degree Flare | -65°F to 200°F | 2,800 | | 1,900 | 1,400 | 1,200 | 1,000 | 750 | 650 | 550 | | | Flare |
| Inverted Flare | -65°F to 250°F | 2,800 | | 1,900 | 1,400 | 1,200 | 1,000 | 750 | 650 | 550 | | | |
| Access Valves | -20°F to 220°F | 500 | | 500 | 500 | | 500 | 500 | | | | | |
| Dubl-Barb | -65°F to 90°F | | 150 | | 150 | | 150 | 100 | | | | | Barb |
| Hose Barb ¹ | -40°F to 160°F | | | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | | |
| Pipe (Metric Available) | -65°F to 250°F | 1,000 | | | 1,000 | | 1,000 | 1,000 | | 1,000 | | | Adapter |
| Garden Hose ¹ | 35°F to 100°F | | | 150 | 150 | | 150 | 150 | 150 | 150 | | | |
| Drain Cocks | -65°F to 250°F | 150 | | | 150 | | 150 | | | | | | Valve |
| Ground Plug Shutoff | 32°F to 125°F | 30 | | | 30 | | 30 | | | | | | |
| Needle Valves | -40°F to 175°F | 150 | | | 150 | 150 | 150 | | | | | | |

Maximum working pressure (psi) by tube size at 73°F

* Up to 1" tube size ** Up to 22 mm tube size ¹ Hose size based on I.D.

Tubing Compatibility

| Product Line | Soft Metal Tubing | | Thermoplastic Tubing | | | | | |
|-----------------|-------------------|-----------------|----------------------|-------|-------------------------|---------------|---------------|-------|
| | Copper | Stainless steel | Polyethylene | Nylon | 95 Shore A Polyurethane | Polypropylene | Fluoropolymer | Vinyl |
| Compress-Align | | | | | | | | |
| Compression | | | | | | | | |
| Poly-Tite | | | | | | | | |
| Hi-Duty | | | | | | | | |
| 45 Degree Flare | | | | | | | | |
| Inverted Flare | | | | | | | | |
| Dubl-Barb | | | | | | | | |
| Hose Barb | | | | | | | | |

Compatible



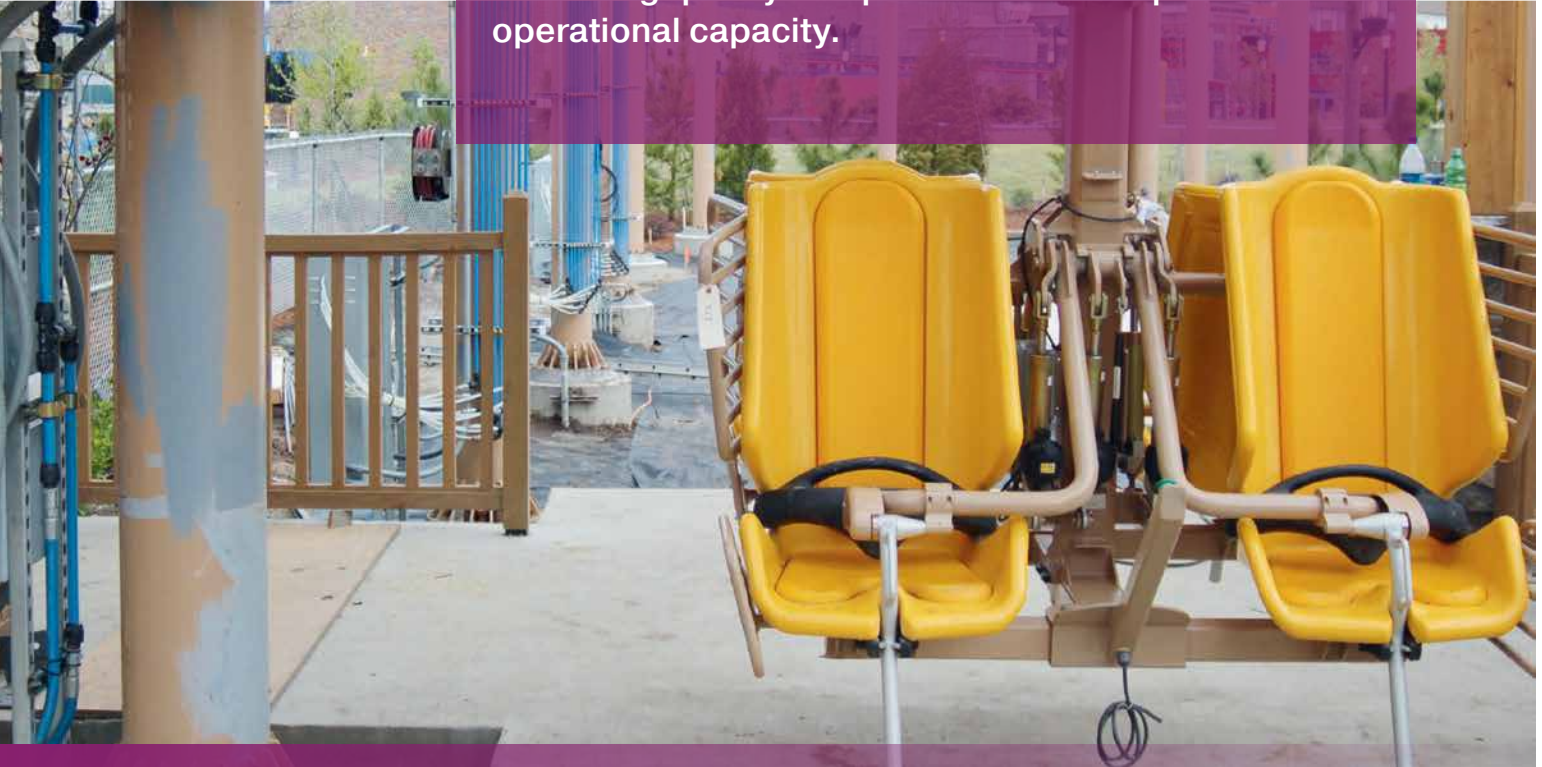
WARNING

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IN PROCESS PIPING: IMPROVING EFFICIENCY AND AIR CLEANLINESS

Delivering quality compressed air for superior operational capacity.



MARKET APPLICATIONS

Compressed Air | Inert Gases | Vacuum

PERFORMANCE EXPECTATIONS

- Energy Efficient
- Corrosion Resistant
- Quick Installation
- Modular Design
- Optimum flow rate
- 10 year warranty



WARNING

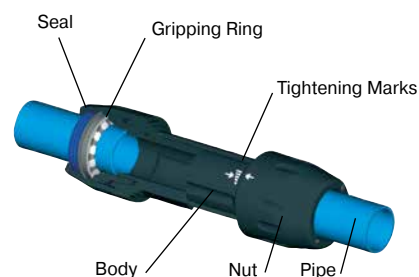
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ALUMINUM PIPING CONNECTION TECHNOLOGIES

Transair's innovative technology enables rapid and easy assembly with quick connection of components to the aluminum pipe. This technology takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and easy connection.

1/2" (16.5mm) • 1" (25mm) • 1-1/2" (40mm)

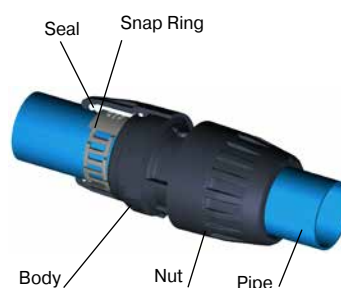
In sizes 1/2" (16,5mm), 1" (25mm), and 1-1/2" (40mm), Transair aluminum pipe uses push to connect technology. Simply push the pipe into the connector until it meets the depth mark on the pipe. The gripping ring will then engage and prevent the pipe from sliding out of the connector.



Installation Video

2" (50mm) • 2-1/2" (63mm)

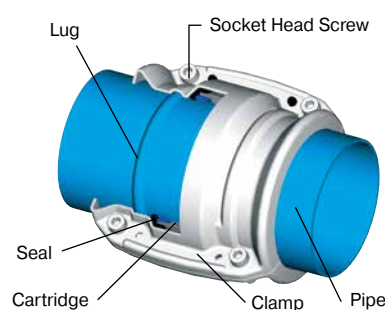
In sizes 2" (50mm) and 2-1/2" (63mm), Transair aluminum pipe uses snap ring technology. Place the snap ring in the two holes at the end of the pipe and slide the nut in-place. Next, hand tighten the nut into the connector body. Lastly, use a pair of spanner wrenches to fully tighten the connector.



Installation Video

3" (76mm) • 4" (101mm) • 6" (168mm)

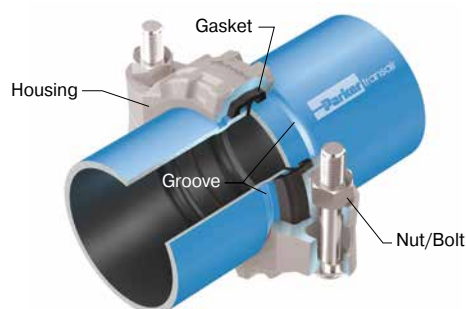
In sizes 3" (76mm), 4" (101mm), and 6" (168mm), Transair aluminum pipe uses clamshell technology. Place the cartridge on the pipe so it meets the lug. Then position the connector so the cartridge is in the middle. Lastly, close the connector and tighten with the provided bolts.



Installation Video

3" (76mm) • 4" (101mm) • 6" (168mm)

8" pipe to pipe connectors can be quickly connected to Transair pipe. Position the seal on one half of the pipe, then slide the 2nd pipe into position. Lastly, attach the connector over the seal and tighten.



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TECHNICAL

Suitable fluids

- compressed air (dry, wet, lubricated)
- vacuum
- inert gases
- Please consult us for other fluids

Resistant to

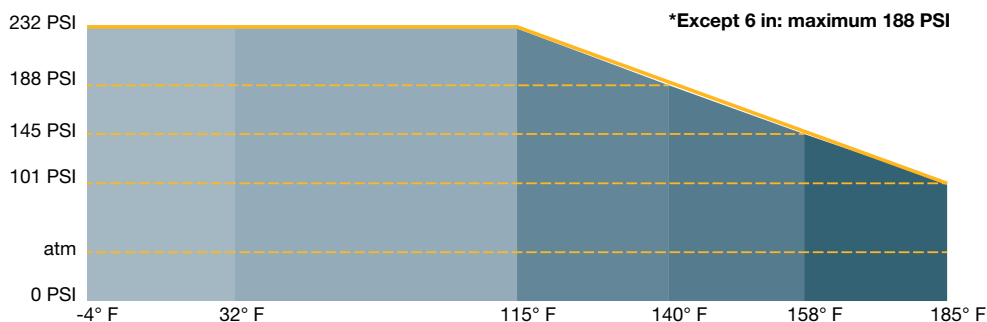
- corrosion
- mineral compressor oils
- thermal variations
- synthetic compressor oils
- ultraviolet (UV)
- mechanical shocks
- compressor oil carry over

Vacuum level

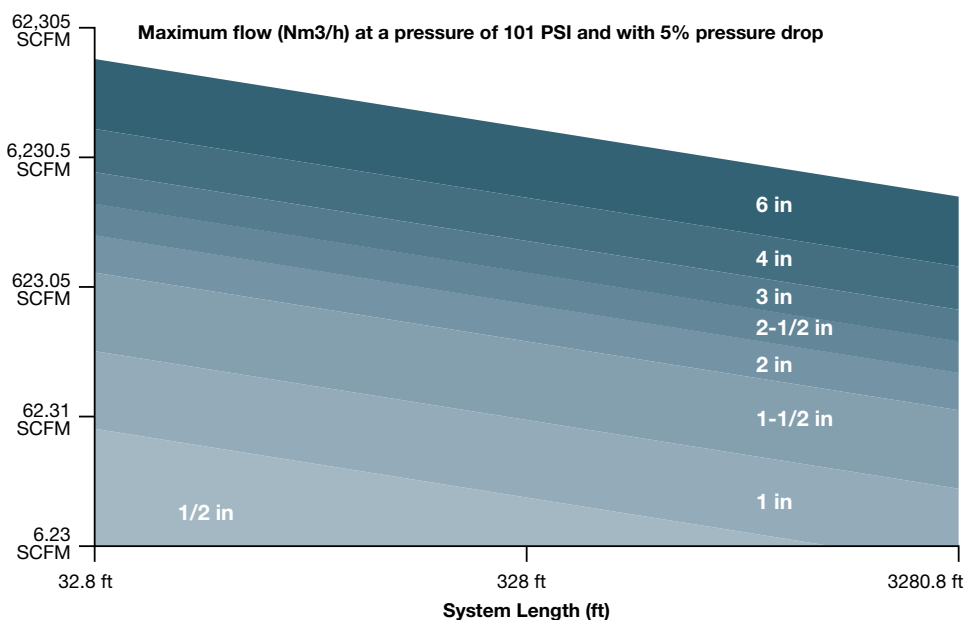
- 99.9% (0.03" Hg / 1mbar)

Working Pressure and Temperature

The maximum working pressure of the Transair® system versus the operating temperature can be seen in the diagram below.



Maximum Flow



WARNING

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Sizing Chart

Select the Transair® diameter for your application based on required flow against pressure drop. Estimated values: Closed loop system at 100 PSI with 5% pressure drop.

Example

- Main system length (ring main): 1000 ft
- Compressor power: 40 hp
- Required flow rate: 150 SCFM
- Working pressure: 100 PSI

Result: The most suitable Transair® diameter is: 1-1/2".

| Flow Rate | Main Ring Length (ft) | | | | | | Compressor hp |
|-----------|-----------------------|--------|--------|--------|--------|--------|---------------|
| SCFM | 500 | 1000 | 2000 | 3000 | 4000 | 5000 | |
| 10 | 1/2" | 1/2" | 1/2" | 1" | 1" | 1" | < 15 |
| 25 | 1" | 1" | 1" | 1" | 1" | 1" | |
| 50 | 1" | 1" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | |
| 75 | 1" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | |
| 100 | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" | 15 to 40 |
| 150 | 1 1/2" | 1 1/2" | 1 1/2" | 2" | 2" | 2" | |
| 250 | 1 1/2" | 1 1/2" | 2" | 2" | 2 1/2" | 2 1/2" | 41 to 125 |
| 350 | 2" | 2" | 2 1/2" | 2 1/2" | 2 1/2" | 2 1/2" | |
| 500 | 2 1/2" | 2 1/2" | 2 1/2" | 3" | 3" | 3" | |
| 750 | 2 1/2" | 2 1/2" | 3" | 3" | 4" | 4" | 126 to 250 |
| 1000 | 3" | 3" | 3" | 4" | 4" | 4" | |
| 1250 | 3" | 3" | 4" | 4" | 4" | 4" | |
| 1500 | 4" | 4" | 4" | 4" | 4" | 4" | 125 to 500 |
| 1750 | 4" | 4" | 4" | 4" | 4" | 4" | |
| 2000 | 4" | 4" | 4" | 4" | 4" | 6" | |
| 2250 | 4" | 4" | 4" | 6" | 6" | 6" | |
| 2500 | 6" | 6" | 6" | 6" | 6" | 6" | 501 to 1000 |
| 2750 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 3000 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 3250 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 3500 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 4000 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 4500 | 6" | 6" | 6" | 6" | 6" | 6" | 1001 to 1400 |
| 5000 | 6" | 6" | 6" | 6" | 6" | 6" | |
| 5500 | 6" | 6" | 6" | 6" | 6" | 6" | |



WARNING

This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

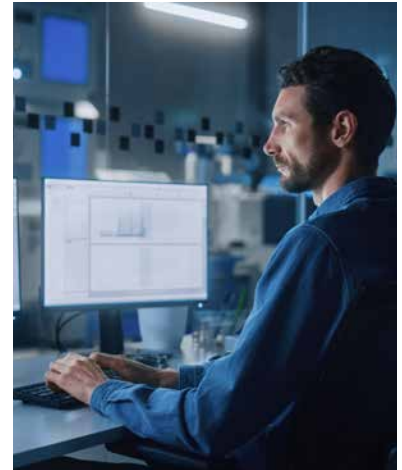
CUSTOM SOLUTIONS FOR TODAY'S PROBLEMS

Parker Fluid System Connectors Division is dedicated to helping you solve your fluid conveyance problems.

Due to the ever-changing and increasingly unique need of OEMs, our catalog offering of brass and composite fluid conveyance fittings may not always solve routing constraints. In these circumstances, OEMs may find themselves needing a custom configured component to achieve the desired routing.

In situations where a standard fitting or valve is not suitable, Parker can develop and manufacture a custom machined brass or molded composite fitting or valve.

Our team of highly skilled, US-based engineers can design a part based on your application's unique requirements. We work quickly to understand your pain points and requirements, before developing a custom solution to fit your application. Our engineers will develop a prototype and complete the testing outlined by the designated criteria and/or specific required specifications. Our custom solution can be as simple as putting an electroless nickel plating on an existing brass part or as complex as designing and manufacturing a custom manifold.



Parker specializes in fluid conveyance fittings and valves produced from brass or composite materials. Our custom solutions can be produced from either of these materials.



Brass

For applications that require a small number of special shape or thread patterns, Parker can design and manufacture custom brass configurations. This option involves no up-front tooling costs and can be completed in just a few weeks.



Composite

Custom composite parts can make sense for OEMs requiring high volumes of a specific configuration. This option requires additional lead time and up-front costs due to the need for a custom injection molds. The advantage is this option can lead to wide variety of shapes and configurations. Our composite customs are commonly manufactured in Nylon, Polypropylene, Acetal, and Kynar.

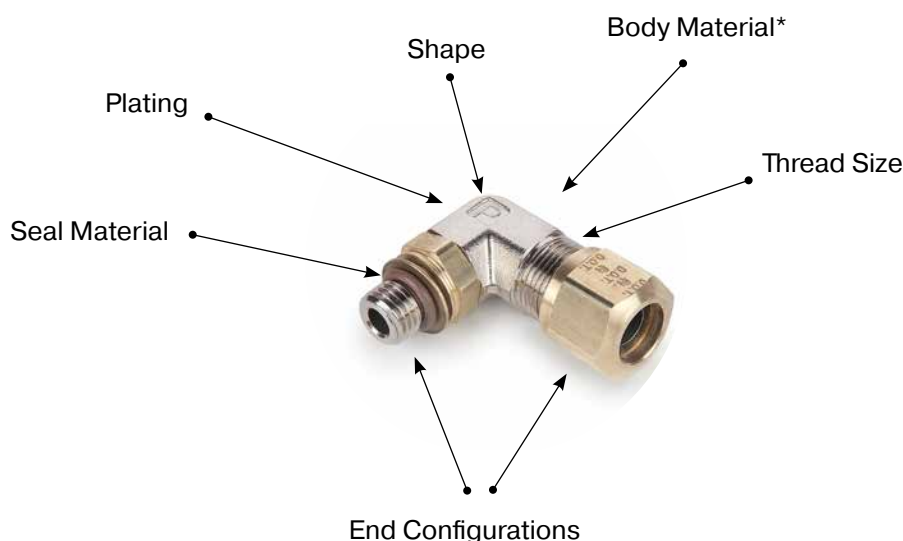


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CUSTOMIZATION OPTIONS

Parker's fittings and valves can be customized to fit your application. Below are just a few examples of what can be customized on our fittings.



*Fluid System Connectors Division offers Brass or Composite bodies

INTEGRATED FITTINGS & MANIFOLDS

Parker's engineering and manufacturing teams can produce a custom integrated fitting or manifold.



Manifolds are the ideal choice for reducing the number of ports and simplifying fluid conveyance lines. A custom manifold can reduce the footprint required to connect vital fluid conveyance lines. A manifold can also decrease installation time. Parker can offer color coded manifold ports to keep line continuity and reduce installation complexity.



Integrated fittings combine one or more components into one footprint. For example, we can combine a check valve with an elbow. The resulting part would provide vital flow control in a reduced footprint. Integrated fittings can reduce your costs by eliminating SKUs and improving installation times.



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EXAMPLES OF FSC NON-STANDARDS

Automation Fittings



Transportation Fittings



Ball Valves



Core Brass Fittings



Thermoplastic Fittings



Manifolds

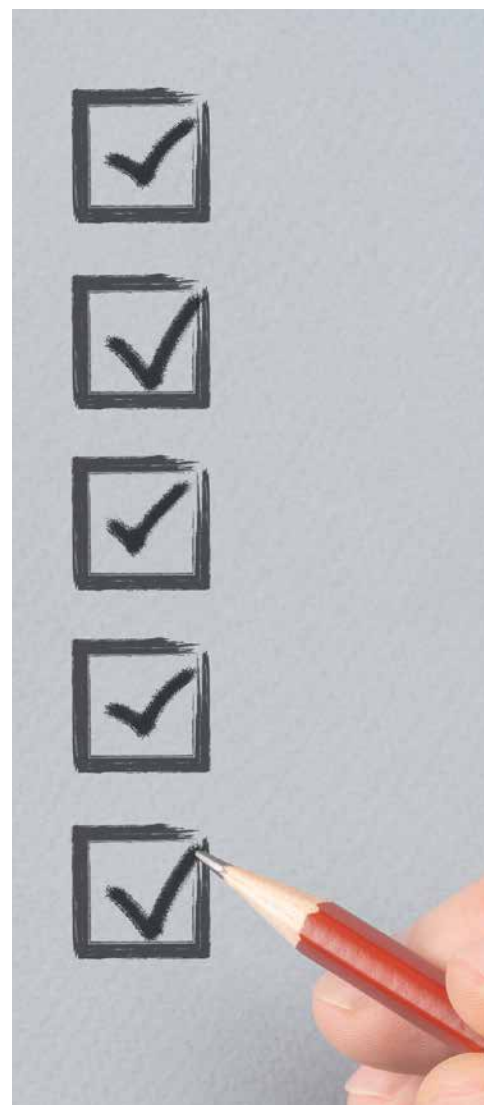


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When thinking about a custom product, it is important to thoroughly review and document the requirements of the application. To collect the requirements, our engineers use the STAMPED method.

D **DELIVERY:** When do you need the fitting? How many? What certifications do you require?



NSPR - Non-Standard Product Request

Rapid System Consensus Division

300 Pioneer Drive, Chicago, IL 60679 USA 300-680-5555

*** REQUIRED FIELD**

Submitted by * _____

Unit # _____

Email * _____

Complete Name _____

Unit Address * _____

State / Province _____

Country _____

Save Form and then Email to: **STC Quarter**

RapidRequest@rapid.com

CUSTOMER INFORMATION

CUSTOMER INFORMATION

Bill To: Account # _____

Billback Name _____

Website URL * _____

Phone Number _____

Contact Name _____

Contact Name * _____

Phone No. _____

Alt. Phone _____

Customer Type * ☐ OEM ☐ OEM ☐ OEM

| ORDER DETAILS | Initial Order Quantity * | Reorder Quantity * | Lead Time * |
|--|---|--|-------------|
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> * Product and Application Name (Provide detailed description of product, location and any special requirements) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> * Application Name (Provide detailed description of application) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> * Item # (Provide detailed description of item) </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> * Item # of application (Provide detailed description of application) </div> | | | |
| Performance Requirements (C, T, V, etc.) | Agency Approvals (STC, FDA, NSF, etc., etc.) | Existing Item (Yes/No/NA) | |
| Pressure Requirements (PSI/Bar, etc.) | Agency Materials (Component #, etc.) | Substrate (PVC, SS, etc.) | |
| Flow Rate (L/Min/GPM) | Material (Aluminum, Aluminum) | Using Requirements (STC, NSF, etc.) | |
| Working Temp. (Min, Max, etc.) | Material (Aluminum, Steel, Carbon Steel, etc.) | Package Requirements | |

Do Not Replicate and write

| |
|--|
| |
| |
| |

Download the Non-Standard Product Request form from our website and complete the required fields. When completed, please email the form to fsc.quotes@support.parker.com.



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