PUSH-TO-CONNECT FITTINGS

For Pneumatic Automation and Aggressive Service Applications

Parker

ENGINEERING YOUR SUCCESS.
## FOOD PROCESSING
Meeting Stringent Sanitary and Aseptic Standards

### Types of Applications
- MIXING • BAKING • COOLING • PACKAGING • FILLING • WASHING • LABELING • CONVEYING

### Performance Expectations
- FDA compliance
- Hygienic design
- Compact
- Highly reliable
- Ability to work in vacuum
- Wide range of chemical compatibility
- Ability to withstand high temperatures
- Detectability

### Applicable Products
- Prestolok® PLM Metal Fittings
- Prestolok® PLS Stainless Steel Fittings
- LIQUIfit™ Thermoplastic Fittings
- TrueSeal™ Thermoplastic Fittings
- Flow Controls

## WATER AND BEVERAGE
Keeping it Clean, Keeping it Safe

### Types of Applications
- FILTRATION • PURIFICATION • PROCESSING • DISPENSING • BOTTLING • TREATMENT

### Performance Expectations
- Manufactured from FDA-compliant materials
- Meets NSF/ANSI 61 requirements for potable water contact
- Excellent chemical resistance
- Wide range of materials for fluid compatibility
- Mechanical resistance
- Installation flexibility

### Applicable Products
- LIQUIfit™ Thermoplastic Fittings
- TrueSeal™ Thermoplastic Fittings
- Check Valves
- Thermoplastic Ball Valves

## PULP AND PAPER
Highly Durable in Corrosive Applications

### Performance Expectations
- High reliability
- Maximum chemical resistance
- Cleanliness

### Applicable Products
- PLS Stainless Steel Fittings
- Stainless Steel Flow Controls
- TrueSeal™ Kynar® Fittings
## PETROCHEMICAL
Improving Durability, Lessening Risk

**Types of Applications**
- Processing
- Transferring
- Pneumatic Circuits
- Cooling
- Measuring

### Performance Expectations
- High chemical resistance
- Robust design
- Wide temperature range
- Quality traceability

### Applicable Products
- Prestolok® PLP Fittings
- Prestolok® PLM Metal Fittings
- Prestolok® PLS Stainless Steel Fittings
- TrueSeal™ Kynar® Fittings
- Flow Controls

## LIFE SCIENCE
Collaborating for Leak-Free Innovation

**Types of Applications**
- Oxygen Transfer
- Fluid Transfer
- Dispensing
- Cleaning and Sterilization
- Pneumatic Circuits

### Performance Expectations
- Quality traceability
- Cleanliness
- Compact design
- Suitable for use with $O_2$
- High reliability
- Installation flexibility

### Applicable Products
- Prestolok® PLP Composite Fittings
- Prestolok® PLM Metal Fittings
- Prestolok® PLS Stainless Steel Fittings
- LIQUIfit™ Thermoplastic Fittings
- TrueSeal™ Thermoplastic Fittings
- Flow Controls

## FACTORY/PROCESS AUTOMATION
Increasing Performance, Standardizing Inventory

**Types of Applications**
- Processing
- Transferring
- Pneumatic Circuits
- Cooling
- Measuring

### Performance Expectations
- Compact design
- Weld splatter resistance
- Robustness
- Vacuum performance
- High reliability
- Mechanical resistance
- Installation flexibility

### Applicable Products
- Prestolok® PLP Composite Fittings
- Prestolok® PLP Fittings
- Prestolok® PLM Metal Fittings
- Prestolok® PLS Stainless Steel Fittings
- LIQUIfit™ Fittings
- TrueSeal™ Thermoplastic Fittings
- Flow Controls

## AUTOMOTIVE WELDING
Wide Temperature Range, Weld Spatter Resistant

### Performance Expectations
- High reliability
- Chemical and weld spatter resistant
- Ability to withstand high temperatures

### Applicable Products
- PLM Metal Fittings
- Metal Flow Controls
Prestolok® PLP Composite

Specifications:

Pressure Range
- Up to 290 PSI (19.9 bar)
- Up to 260 PSI (17.9 bar) [3/16” tubing size only]

Temperature
- -4°C to +175°C [-24°F to +347°F] [3/16” size only]
- 5°C to 155°C [-15°F to +311°F] [3/16” size only]

Product Features:
- Stainless steel gripping ring
- Glass-reinforced nylon 6.6 body
- Nitrile D-seal for air and inert gas
- NPT, BSPT, BSPP, metric threads & plug-in options
- Widest range of configurations
- Round internal hex on straights allows for easy assembly in tight areas
- Oxygen cleaning available - Meets ISO 15001

Applications: Dry bulk packaging, factory automation, life sciences (respiratory)

Compatible Tubing: Nylon, Polyurethane 95 Durometer Shore A, Fluoropolymer

Prestolok® PLP

Specifications:

Pressure Range
- Up to 300 PSI (20.6 bar) depending on tubing

Temperature
- 0°C to +200°C [-17.7°C to +93.3°C]

Product Features:
- Stainless steel gripping ring
- Nickel-plated brass body
- Nitrile seal (EPDM & FKM available)
- NPT threads
- Available in Inch only

Applications: Dry bulk packaging, factory automation, car wash equipment

Compatible Tubing: Nylon, Polyurethane 95 Durometer Shore A, Polyethylene, Polypropylene
Prestolok® PLM Metal

Specifications:

Pressure Range
- Up to 435 PSI (30 bar)
- Up to 290 PSI (20 bar) for 169PLM

Temperature
- -4° to +302° F [-20° to +150° C]

Product Features:
- Electroless nickel-plated collet and body for chemical and welding spark resistance
- FKM seal for chemical and air applications
- NPT, BSPT, BSPP, and metric threads
- Round internal hex on straights allows for easy assembly in tight areas

Applications: Food wash down for OEM, automotive welding

Compatible Tubing: Nylon, Polyurethane 95 Durometer Shore A, Polyethylene, Stainless Steel (grooved), Copper (grooved)

Prestolok® PLS Stainless Steel

Specifications:

Pressure Range
- Up to 435 PSI (30 bar)
- Up to 290 PSI (20 bar) for 169PLS

Temperature
- -4° to +302° F [-20° to +150° C]

Product Features:
- Stainless steel 316L body, collet, & backup washer provide maximum resistance to chemicals, corrosion, shock and abrasion
- FKM seal for chemical and air applications
- NPT, BSPT, BSPP, and metric threads
- Hygienic smooth design reduces retention zones for easy cleaning

Applications: Food wash down for MRO, pulp and paper

Compatible Tubing: Nylon, Polyurethane 95 Durometer Shore A, Polyethylene, Stainless Steel (grooved), Copper (grooved)
## How to Order
PLP Composite, PLP, PLM Electroless Nickel-Plated Brass & PLS Stainless Steel

<table>
<thead>
<tr>
<th><strong>INCHES</strong></th>
<th><strong>METRIC</strong></th>
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<tbody>
<tr>
<td><strong>PLM, PLS, PLP PLUS AND PLP COMPOSITE FITTINGS</strong></td>
<td><strong>PLM, PLS, PLP PLUS, AND PLP COMPOSITE FITTINGS</strong></td>
</tr>
<tr>
<td><strong>W</strong></td>
<td><strong>A</strong></td>
</tr>
<tr>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>69</td>
<td>PLP</td>
</tr>
<tr>
<td><strong>Thread Sealant</strong></td>
<td><strong>Fitting Series</strong></td>
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<tr>
<td><strong>W</strong></td>
<td><strong>A</strong></td>
</tr>
<tr>
<td>White Acrylic</td>
<td><strong>Fitting Series</strong></td>
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<tr>
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<td><strong>W</strong></td>
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<td>10-32</td>
<td><strong>Fitting Series</strong></td>
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<tr>
<td>1/16</td>
<td><strong>Fitting Series</strong></td>
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<td>5/32</td>
<td><strong>Fitting Series</strong></td>
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<tr>
<td>1/8</td>
<td><strong>Fitting Series</strong></td>
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<tr>
<td>1/4</td>
<td><strong>Fitting Series</strong></td>
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<td>3/8</td>
<td><strong>Fitting Series</strong></td>
</tr>
<tr>
<td>1/2</td>
<td><strong>Fitting Series</strong></td>
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Note: Not all Fitting Configurations are available in all Series, Tube OD, and/or Thread Size.
### modular fittings

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>369PLPBJB</td>
<td>Single Banjo Bodies</td>
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<tr>
<td>32PLPDJBJB</td>
<td>Double Banjo Bodies</td>
</tr>
<tr>
<td>369PLPTJBJB</td>
<td>Twin Banjo Bodies</td>
</tr>
<tr>
<td>68BJB</td>
<td>Single Banjo Bolt BSPP or M5</td>
</tr>
<tr>
<td>68BJBD</td>
<td>Stacking Banjo BSPP or M5</td>
</tr>
<tr>
<td>68BJBT</td>
<td>Stacking Banjo BSPP</td>
</tr>
<tr>
<td>68BJB</td>
<td>Female Threaded Banjo Bolt BSPP</td>
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### accessories

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>63PLP</td>
<td>Clip</td>
</tr>
<tr>
<td>3151PLP</td>
<td>End Cap</td>
</tr>
<tr>
<td>63PLP</td>
<td>Double Male Union</td>
</tr>
<tr>
<td>639PLP</td>
<td>Plug</td>
</tr>
<tr>
<td>322PLPSP</td>
<td>Barbed Connector</td>
</tr>
<tr>
<td>3100</td>
<td>Carstic® Cartridge</td>
</tr>
<tr>
<td>32PLPRC</td>
<td>Connector for 2 Tubes In Line</td>
</tr>
<tr>
<td>32PLPDR</td>
<td>Connector for 3 Tubes</td>
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### Prestolok® PLP Fittings

#### threaded fittings

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>68PLPR</td>
<td>Male Connector Round Body NPT</td>
</tr>
<tr>
<td>W169PLP</td>
<td>Male Elbow Swivel NPT</td>
</tr>
<tr>
<td>W169PLPNS</td>
<td>Male Elbow NPT</td>
</tr>
<tr>
<td>W171PLP</td>
<td>Male Branch Tee Swivel NPT</td>
</tr>
<tr>
<td>W172PLP</td>
<td>Male Connector NPT</td>
</tr>
<tr>
<td>W68PLP</td>
<td>Female Connector NPT</td>
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<tr>
<td>66PLP</td>
<td>Male Connector NPT</td>
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#### tube to tube

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<tr>
<td>164PLP</td>
<td>Union Tee NPT</td>
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<tr>
<td>165PLP</td>
<td>Union Elbow NPT</td>
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<tr>
<td>62PLP</td>
<td>Union NPT</td>
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#### bulkhead union

<table>
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<tr>
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<tr>
<td>62PLPBH</td>
<td>Bulkhead Union NPT</td>
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<tr>
<td>66PLPBH</td>
<td>Female Bulkhead Union NPT</td>
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### Complete Range
PLM All Metal Fittings

**threaded fittings**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>68PLMB</td>
<td>Male Connector</td>
<td>UNF, NPT or BSPT</td>
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<tr>
<td>68PLMF</td>
<td>Female Connector</td>
<td>NPT, BSPP or M5</td>
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<tr>
<td>68PLMF</td>
<td>Male Elbow</td>
<td>UNF, NPT or BSPT</td>
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<tr>
<td>169PLM</td>
<td>Male Elbow</td>
<td>BSPP or metric</td>
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<tr>
<td>169PLRX</td>
<td>Extended Male Elbow</td>
<td>NPT or BSPT</td>
</tr>
<tr>
<td>169PLMBH</td>
<td>Male Branch Tee</td>
<td>UNF or BSPT</td>
</tr>
<tr>
<td>172PLMBH</td>
<td>Male Branch Tee</td>
<td>BSPP or M5</td>
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**banjo**

<table>
<thead>
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<tr>
<td>169PLMBJ</td>
<td>Banjo</td>
<td>BSPP or M5</td>
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**tube to tube fittings**

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<thead>
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<tr>
<td>68PLMS</td>
<td>Male Standpipe</td>
<td>BSPP or M5</td>
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<tr>
<td>169PLMS</td>
<td>Male Standpipe</td>
<td>BSPP or M5</td>
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</table>

**bulkhead connectors**

<table>
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<th>Description</th>
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<tr>
<td>66PLMBH</td>
<td>Female Bulkhead</td>
<td>NPT</td>
</tr>
<tr>
<td>165PLMBH</td>
<td>Bulkhead Elbow</td>
<td>BSPP or M5</td>
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**accessories**

<table>
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<tr>
<th>Code</th>
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<th>Thread Type</th>
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<tr>
<td>63PLMBH</td>
<td>Female Cartridge</td>
<td>NPT</td>
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<tr>
<td>165PLMB</td>
<td>Cartridge</td>
<td>BSPP or M5</td>
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### PLS Stainless Steel Fittings

**threaded fittings**

<table>
<thead>
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<th>Code</th>
<th>Description</th>
<th>Thread Type</th>
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<tbody>
<tr>
<td>68PLS</td>
<td>Male Connector</td>
<td>UNF, NPT or BSPT</td>
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<tr>
<td>169PLS</td>
<td>Male Elbow</td>
<td>BSPP</td>
</tr>
<tr>
<td>169PLSX</td>
<td>Extended Male Elbow</td>
<td>NPT or BSPT</td>
</tr>
<tr>
<td>172PLS</td>
<td>Male Branch Tee</td>
<td>BSPP or M5</td>
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**tube to tube fittings**

<table>
<thead>
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<th>Code</th>
<th>Description</th>
<th>Thread Type</th>
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<td>62PLSBH</td>
<td>Bulkhead Union</td>
<td>NPT</td>
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**accessories**

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<th>Thread Type</th>
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</thead>
<tbody>
<tr>
<td>639PLSB</td>
<td>Plug</td>
<td>NPT</td>
</tr>
</tbody>
</table>
Flow Control Valves

Specifications:

Pressure Range
- 15 to 145 PSI [1.0 to 9.9 bar]

Temperature
- 30° to 160° F [-1.1° to +71.1°C]

Product Features:
- Control the speed of a pneumatic cylinder
- Composite, metal, and stainless available
- Metering out and metering in configurations
- Adjustment screw or knobless available
- Threaded, swivel, in-line, and plug-in configurations
- Compact and miniature designs
- Stainless steel offers hygienic design for wash down applications

Applications: Packaging, filling, dispensing, bottling, pneumatic circuits

Compatible Tubing: Polyethylene, Polyurethane 95 Durometer Shore A, Semi-rigid Nylon, FEP Fluoropolymer

How to Order

FRACTIONAL INCH & METRIC

<table>
<thead>
<tr>
<th>A</th>
<th>Series/Configuration</th>
<th>B</th>
<th>Tube/Stem Size</th>
<th>C</th>
<th>Thread or Tube OD</th>
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<tr>
<td>FCC731</td>
<td>Compact Meter Out</td>
<td>2</td>
<td>1/8</td>
<td>BLANK</td>
<td>No Threads</td>
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<td>FCCI731</td>
<td>Compact Meter In</td>
<td>3M</td>
<td>3mm</td>
<td>M3</td>
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<tr>
<td>FCCB731</td>
<td>Compact Bi-Directional</td>
<td>4M</td>
<td>4mm [5/32]</td>
<td>M5</td>
<td>M5</td>
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<td>FCK731</td>
<td>Compact Knobless Meter Out</td>
<td>4</td>
<td>1/4</td>
<td>0</td>
<td>10-32</td>
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<tr>
<td>FCKCI</td>
<td>Compact Knobless Meter In</td>
<td>6M</td>
<td>6mm</td>
<td>2</td>
<td>1/8 NPT</td>
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<tr>
<td>FCM</td>
<td>Miniature Meter Out</td>
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<td>3/8</td>
<td>6</td>
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<tr>
<td>FCKI</td>
<td>Compact Knobless Meter In</td>
<td>8M</td>
<td>8mm [5/16]</td>
<td>2G</td>
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<td>4G</td>
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<td>Miniature Bi-Directional</td>
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<td>10mm</td>
<td>4R</td>
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<td>6</td>
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<td>FCC731</td>
<td>Swivel Meter In Miniature</td>
<td>12M</td>
<td>12mm</td>
<td>6G</td>
<td>3/8 BSPP</td>
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<td>Swivel Meter In Miniature - BSPP</td>
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<td>14mm</td>
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<td>Plug-In Meter In Miniature</td>
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<td>8</td>
<td>1/2 NPT</td>
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<td>FCMSP</td>
<td>Plug-In Meter Out Miniature</td>
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<td>1/2 BSPP</td>
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<td>FCCSPI</td>
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<td>1/2 BSPP</td>
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<td>FC</td>
<td>In-Line</td>
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<td>FCCSPI</td>
<td>In-Line Panel Mountable</td>
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<td>FCCSP</td>
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<td>FCI</td>
<td>Metal Meter In - BSPP</td>
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<td>FCCS</td>
<td>Swivel</td>
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</table>
Complete Range
Flow Controls

Compact Flow Controls

**FCC731**
- Meter Out

**FCC731**
- Meter Out - BSPT

**FCC731**
- Meter Out - BSPP

**FCCI731**
- Meter In

**FCCI731**
- Meter In - BSPT

**FCCI731**
- Meter In - BSPP

**FCC8731**
- Bi-Directional

**FCC731**
- Knobless

**FCKC731**
- Meter Out Knobless

**FCKC731**
- Meter Out Knobless - BSPP

**FCKCI731**
- Meter In Knobless

**FCKCI731**
- Meter In Knobless - BSPP

**FCKCB731**
- Bi-Directional Knobless

**FCK701C**
- Knobless Compression Metal - BSPP

Miniature Flow Controls

**FCM731**
- Meter Out

**FCM731**
- Meter In

**FCM731**
- Meter Out - BSPT

**FCM731**
- Meter Out - BSPP

**FCM731**
- Bi-Directional - BSPP

**FCM731**
- Bi-Directional

**FCM731**
- Knobless

Swivel Outlet Flow Controls

**FCSS731**
- Meter Out

**FCSC731**
- Meter Out - BSPT

**FCSS731**
- Meter Out Miniature

**FCMS731**
- Meter Out - BSPP

**FCMS731**
- Bi-Directional - BSPP

**FCMS731**
- Bi-Directional

**FCMS731**
- Bi-Directional Miniature

**FCMS731**
- Bi-Directional Miniature - BSPP

**FCM731**
- Compact

**FCM731**
- Compact - BSPP

**FCMS731**
- Miniature

**FCMS731**
- Miniature - BSPP

**FCM731**
- Compact Bi-Directional

**FCM731**
- Compact Bi-Directional - BSPP

**FCM731**
- Compact Bi-Directional Knobless

**FCM731**
- Compact Bi-Directional Knobless - BSPP

**FCM731**
- Panel Mountable

**FCM731**
- Panel Mountable - BSPP

**FCM731**
- Panel Mountable Miniature

**FCM731**
- Panel Mountable Miniature - BSPP

**FCM731**
- Panel Mountable Miniature Bi-Directional

**FCM731**
- Panel Mountable Miniature Bi-Directional - BSPP

In-Line Flow Controls

**FC832**
- In-Line

**FC832**
- Bi-Directional

**FC832**
- In-Line Metric

**FC832**
- Bi-Directional Metric

**FCPM832**
- Panel Mountable

**FC836**
- Threaded In-Line

**FC836**
- Threaded In-Line Metric

Metal Flow Controls

**FC705**
- Meter Out

**FC705**
- Meter Out - BSPP

**FC701**
- Meter Out - BSPP

**FC701**
- Meter In - BSPP

**FC702**
- Meter Out - BSPP

**FC708**
- Meter Out

11
# Product Matrix

<table>
<thead>
<tr>
<th>Tube Ø or Thread</th>
<th>Tube Ø or Thread</th>
<th>Compact Flow Controls</th>
<th>Miniature Flow Controls</th>
<th>Swivel Outlet Flow Controls</th>
<th>Plug-In Flow Controls</th>
<th>In-Line Flow Controls</th>
<th>Metal Flow Controls</th>
<th>Stainless Steel Flow Controls</th>
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Available
# Technical Specifications

## Temperature/Pressure

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<thead>
<tr>
<th>Product Line</th>
<th>Temperature</th>
<th>Tube Sizes/PSI</th>
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<tr>
<td>PLP Composite</td>
<td>-4° to 175° F</td>
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<td>PLP</td>
<td>0° to 200° F</td>
<td>300</td>
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<tr>
<td>PLS</td>
<td>-4° to 302° F</td>
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<tr>
<td>90° Flow Control</td>
<td>30° to 160° F</td>
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<tr>
<td>Swivel Flow Control</td>
<td>30° to 160° F</td>
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<td>In-Line Flow Control</td>
<td>30° to 160° F</td>
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<td>Plug-In Flow Control</td>
<td>30° to 160° F</td>
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## Tubing Compatibility

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<th>Product Line</th>
<th>Soft Metal Tubing</th>
<th>Thermoplastic Tubing</th>
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<td>G</td>
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<tr>
<td>PLS</td>
<td>G</td>
<td>G</td>
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<tr>
<td>90° Flow Control</td>
<td></td>
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<tr>
<td>Swivel Flow Control</td>
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<tr>
<td>In-Line Flow Control</td>
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<tr>
<td>Plug-In Flow Control</td>
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</table>

- **Compatible**
- **G** Tubing must be Grooved

## Flow Control Specifications

<table>
<thead>
<tr>
<th>Product</th>
<th>Material</th>
<th>Size</th>
<th>Type of Adjustment</th>
<th>Types of Threads</th>
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<tr>
<td></td>
<td>Nylon</td>
<td>Brass</td>
<td>Stainless</td>
<td>Compact</td>
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<tr>
<td>90° Flow Control</td>
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<tr>
<td>Swivel Flow Control</td>
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<td>In-Line Flow Control</td>
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<tr>
<td>Plug-In Flow Control</td>
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- **Available**
Tubing Compatibility

Flow Control Specifications

PLP Plus
-4° to 200°F
35° to 200°F

PLM
-4° to 302°F

Plug-in Flow Control
In-line Flow Control
Swivel Flow Control

PLS
PPM
GG

Available Compatible
Nylon Brass Stainless Compact Miniature Soft Metal Thermoplastic Tubing Aluminum Soft Metal Thermoplastic Tubing Compatible Steel Stainless Polyethylene

Product Line

Tube Sizes/PSI
1/8" 5/32" 3/16" 1/4" 5/16" 3/8" 1/2" 4mm 6mm 8mm 10mm 12mm 14mm 16mm

Tubing Technical Specifications

- Compatible Media: Compressed air, industrial fluid
- Good chemical and humidity resistance
- Excellent material stability (mechanical and chemical)
- Wide range of working pressure and temperature
- Crack-resistant
- Variety of colors to facilitate circuit identification
- UV-resistant

Working Temperature: -65° to 200°F
(-54° to 93°C)

Working Pressure: up to 375 psi (26 bar)
Maximum pressure and temperature range are dependent on tube diameter used.
Packaging: 50ft, 100ft, 250ft, 25m and 100m
Reels: 500ft and 1,000ft

Polyurethane

Working Temperature: -40° to 165°F
(-40° to 74°C)

Parker’s polyurethane 95A durometer tubing offers excellent flexibility and outstanding use in a wide range of applications, allowing for up to 50% space reduction when compared to semi-rigid PA tubing.

- Compatible Media: Compressed air, industrial fluid
- Consistent tensile strength for optimum longevity
- Optimal bend radius
- Good vibration absorption
- Highly flexible
- Low pressure drop
- Constant rigidity and good aging

Working Pressure: up to 233 psi (16 bar)
Maximum pressure and temperature range are dependent on tube diameter used.
Packaging: 50ft, 100ft, 250ft, 25m and 100m
Reels: 500ft
Tubing

**FEP**
- Working Temperature: -100° to 400°F (-73° to 200°C)
- FEP tubing offers the highest clarity in the fluoropolymer market and is a close second to PTFE in chemical resistance.
- Available in long, continuous lengths (1,000 feet and longer).
- Compatible Media: Chemicals, fluids, gases, beverages
- Chemically inert; excellent chemical resistance
- Non-wetting
- Weldable and tubes can be sealed by melting
- FEP is available in smoothbore tubing, heat shrinkable, convoluted, corrugated and retractable coil tubing
- Working Pressure: up to 390 psi (26.8 bar)
- Maximum pressure and temperature range are dependent on tube diameter used.

*Manufacturered by Parflex/Texloc, Fort Worth, TX*

**APPLICATIONS**
- Nitrogen Transfer
- Ozone Sampling
- Optical Sensor
- Laboratory
- Pharmaceutical
- Down Hole Pump
- Food & Beverage
- Catheter Repair
- Robotics
- Wet Bench

**Polyethylene**
- Working Temperature: -80° to 150°F (-62° to 66°C)
- Parker Legris low density polyethylene tubing provides good resistance to aggressive and corrosive agents.
- Compatible Media: Industrial fluids, compressed air and water
- Excellent resistance to aggressive and corrosive agents
- FDA approved material
- Tasteless and odorless
- Dimensional stability
- Working Pressure: up to 190 psi (13 bar)
- Maximum pressure and temperature range are dependent on tube diameter used.
- Packaging: Tubepack®: 100ft, 250ft, 25m and 100m
- Reels: 500ft

**APPLICATIONS**
- Beverage
- Chemical
- Petrochemical
- Food Process
- Water
- Water Treatment

---

**Threaded Connections**

<table>
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<tr>
<th>National Pipe Thread</th>
<th>Nominal Thread Size</th>
<th>Threads Per Inch</th>
<th>Max. Torque (inch pounds)</th>
<th>Handtight Engagement</th>
<th>Thread O.D. at Small End</th>
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<tbody>
<tr>
<td>10-32UNF</td>
<td>32</td>
<td>13</td>
<td>Seals Flush</td>
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<td>1/16</td>
<td>27</td>
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<td>0.28” (7.1mm)</td>
<td>0.271” (6.8mm)</td>
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<td>70</td>
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<thead>
<tr>
<th>British Standard Pipe</th>
<th>Nominal Thread Size</th>
<th>Threads per inch</th>
<th>Male Parallel Thread O.D.</th>
<th>Female Parallel Thread I.D.</th>
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<td>0.344” (8.7mm)</td>
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<td>0.656” (16.7mm)</td>
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**Metric Thread**

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<th>Metric Thread Size</th>
<th>Male Thread O.D. (mm)</th>
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<th>Male Thread O.D. (mm)</th>
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<td>19</td>
<td>0.656” (16.7mm)</td>
<td>0.534” (13.6mm)</td>
<td>1/2</td>
<td>14</td>
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</table>

When looking at a Parker Legris fitting or adapter, there is a ring groove at the end of the thread to identify NPT threads. If the end of the base is smooth, the thread is BSPT. This applies to all threaded fittings, adapters and right angle flow control valves.

---

**Threaded Profiles – actual size**

**NPT**
- 1/2”
- 3/8”
- 1/4”
- 1/8”

**BSPT**
- R1/2”
- R3/8”
- R1/4”
- R1/8”

**BSPP**
- G1/2”
- G3/8”
- G1/4”
- G1/8”

**Metric/UNF**
- M7
- M5
- M3
- 10-32 UNF
Parker Fluid Connectors Group  
North American Divisions & Distribution Service Centers

Your complete source for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

Fittings:
Available in fractional inch and metric sizes covering BSPP thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Worldwide Availability:
Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For information, call toll free...
1-800-C-PARKER  
(1-800-272-7537)

North American Divisions

Energy Products Division
Stafford, TX  
phone  281 566 4500  
fax  281 582 5271

Fluid System Connectors Division
Otsego, MI  
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fax  269 694 4614

Hose Products Division
Wickliffe, OH  
phone  440 943 5700  
fax  440 943 3129

Industrial Hose Division
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fax  440 943 3129

Parflex Division
Ravenna, OH  
phone  330 296 2871  
fax  330 296 8433

Quick Coupling Division
Minneapolis, MN  
phone  763 544 7781  
fax  763 544 3418

Tube Fittings Division
Columbus, OH  
phone  614 279 7070  
fax  614 279 7685

Distribution Service Centers

Buena Park, CA  
phone  714 522 8840  
fax  714 994 1183

Conyers, GA  
phone  770 929 0330  
fax  770 929 0230

Louisville, KY  
phone  502 937 1322  
fax  502 937 4180

Portland, OR  
phone  503 283 1020  
fax  503 283 2201

Toledo, OH  
phone  419 878 7000  
fax  419 878 7001  
fax  419 878 7420  
(FCG Kit Operations)

Canada
Grimsby, ONT  
phone  905 945 2274  
fax  905 945 3945  
(Contact Grimsby for other Service Center locations.)