PUSH-TO-CONNECT FITTINGS
For Pneumatic Automation, Potable Water, and Aggressive Service Applications

aerospace  
cclimate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

Parker

ENGINEERING YOUR SUCCESS.
Connecting you to higher productivity.
Improved throughput, increased efficiency, smaller footprints, faster assembly, and leak-free innovation.

Our technically superior push-to-connect fittings, valves, cartridges, tubing, and accessories have been designed to engineer your success, offering you new ways to create value. Our partnership approach allows us to work together to create the solutions you need to operate more efficiently and effectively.

### 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**
- NEW! Prestolok® PLM Metal Fittings
- NEW! Prestolok® PLS Stainless Steel Fittings
- LIQUIfit™ 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
- Meet NSF-61 requirements for potable water contact
- Excellent chemical resistance
- Wide range of fluid compatibility
- Mechanical resistance
- Installation flexibility

**Applicable Products**
- LIQUIfit™ Fittings
- TrueSeal™ Thermoplastic Fittings
- Flow Controls
### Types of Applications

**Petrochemical**
- Improving Durability, Lessening Risk

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

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

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**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 O₂
- High reliability
- Installation flexibility

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

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**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 Metal Fittings
- Prestolok® PLP Composite Fittings
- Prestolok® PLM Metal Fittings
- Prestolok® PLS Stainless Steel Fittings
- TrueSeal™ Thermoplastic Fittings
- LIQUIfit™ Fittings
- Flow Controls
**NEW!**

**PRESTOLOK® PLM METAL FITTINGS**

**Product Features:**
- High phosphorus, FDA-compliant, chemical-resistant, nickel-plated collet and body
- FKM seal
- Chemical, corrosion, and abrasion resistance
- NPT, BSPT, BSPP, and metric threads

**Markets:** Industrial, Chemical, Life Science, Automation, Food Processing

**Applications:** Food fluids, harsh detergents, cleaning in cold/hot water, steam, oils

**COMPATIBLE TUBING**
- Polyethylene
- Polyurethane 95 Durometer Shore A
- FEP
- Nylon

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**NEW!**

**PRESTOLOK® PLS FITTINGS**

**Product Features:**
- Stainless steel 303L collet
- Stainless steel 316L body
- FKM seal
- Stainless steel 316L backup washer
- Chemical, corrosion, and abrasion resistance
- Hygienic design reduces retention zones for easy cleaning
- NPT, BSPT, BSPP, and metric threads

**Markets:** Petrochemical, Life Science, Pulp & Paper, Food Processing, Wash Down

**Applications:** Food fluids, chemicals, cleaning agents

**COMPATIBLE TUBING**
- Semi-rigid nylon
- Polyethylene
- Polyurethane 95 Durometer Shore A
- Stainless steel (grooved)
- Copper (grooved)
PRESTOLOK® PLP Metal and Composite Fittings

PRESTOLOK® PLP METAL FITTINGS

**Product Features:**
- Stainless steel grab ring
- Nickel-plated brass body
- Nitrile seal
- Polyacetal release button
- Corrosion resistance
- NPT, BSPT, BSPP, and metric threads

**Markets:** Industrial, Automotive, Climate Control, Welding, Packaging

**Applications:** Air, oil, inert gases, vacuum

**COMPATIBLE TUBING**
- Polyethylene
- Polypropylene
- Plasticized nylon
- Unplasticized nylon
- Polyurethane 90 Durometer Shore A
- Polyurethane 95 Durometer Shore A

PRESTOLOK® PLP COMPOSITE FITTINGS

**Product Features:**
- Stainless steel grab ring
- Glass-reinforced nylon 6.6 body
- Nitrile D-seal
- Nylon release button
- Corrosion and chemical resistance
- NPT, BSPT, BSPP, and metric threads

**Markets:** Pneumatic, Industrial, Robotic, Automation, Printing, Packaging, Textile

**Applications:** Air, cutting fluids, inert gases, vacuum

**COMPATIBLE TUBING**
- Semi-rigid nylon
- Polyurethane 95 Durometer Shore A
- Nylon
- Fluoropolymer

Stainless steel gripping ring
Engineered composite body
Polypropylene push button
Nitrile D-seal
Sealing “O” ring on BSPP threads, and thread sealant on NPT & BSPT threads
## INCHES PRESTOLOK® PLM, PLS, PLP, AND COMPOSITE FITTINGS

<table>
<thead>
<tr>
<th>W</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<tbody>
<tr>
<td>3</td>
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<td>BJ</td>
<td>-4</td>
<td>-2</td>
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</table>

### Thread Sealant
- W: White Acrylic
- VS: Vibra Seal
- Blank: No Sealant

### Body Material
- 1: Metal Forging
- 3: Composite

### Fitting Configuration
- 62: Union Y
- 66: Female Connector
- 68: Male Connector
- 70: Female Elbow
- 64: Union Tee
- 65: Union Elbow
- 69: Male Elbow
- 71: Male Run Tee
- 72: Male Branch Tee
- 47: Cross
- 79: 45° Elbow
- 22: Barbled Connector
- 32: Union
- 24: Multiple Tee
- 67: Tube Reducer
- 639: Plug

### Fitting Description
- X: Extended Male Elbow
- SP: Standpipe
- PD: Double Y
- BJ: Banjo
- TJ: Twin Banjo
- DJ: Double Banjo
- BH: Bulkhead Union
- DSP: Plug-in Multiple Y
- RC: Rail Connector
- DRC: Double Rail Connector
- BHP: Plug-in Bulkhead

## METRIC PRESTOLOK® PLM, PLS, PLP, AND COMPOSITE FITTINGS

<table>
<thead>
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<th>W</th>
<th>A</th>
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<td>2</td>
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### Thread Type
- R: BSPT
- G: BSPP

### Tube Size

<table>
<thead>
<tr>
<th>Inches</th>
<th>Metric</th>
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<tbody>
<tr>
<td>1/8</td>
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<tr>
<td>3/16</td>
<td>6mm</td>
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<tr>
<td>5/32</td>
<td>8mm</td>
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<tr>
<td>1/4</td>
<td>10mm</td>
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<tr>
<td>5/16</td>
<td>12mm</td>
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<tr>
<td>3/8</td>
<td>14mm</td>
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<tr>
<td>1/2</td>
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</table>

## METRIC PRESTOLOK® PLM METAL

<table>
<thead>
<tr>
<th>C</th>
<th>63</th>
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<th>B</th>
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<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
</tbody>
</table>

### Thread Type
- Blank: NPT
- 3: BSPT (Male only)
- 4: BSPP (Male or Female)
- 8: Metric Parallel
- 63: Swivel with BSPT
- 64: Swivel with BSPP
- 68: Swivel with Metric Taper

### Fitting Material
- B: Brass

### Tube Size

<table>
<thead>
<tr>
<th>4mm</th>
<th>6mm</th>
<th>8mm</th>
<th>10mm</th>
<th>12mm</th>
<th>14mm</th>
<th>16mm</th>
<th>18mm</th>
<th>20mm</th>
<th>22mm</th>
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<tbody>
<tr>
<td>1/16</td>
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<td></td>
<td>1/8</td>
<td></td>
<td>1/4</td>
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<td>1/2</td>
<td>3/4</td>
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<td>M3X0.5</td>
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<td>M10</td>
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<td>M1X1</td>
<td>M12X1.5</td>
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### Fitting Type
- P: Prestolok
# Fitting Specifications

## Temperature/Pressure

<table>
<thead>
<tr>
<th>Product Line</th>
<th>Temperature</th>
<th>Tube Sizes/PSI</th>
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<tbody>
<tr>
<td>PLP Metal</td>
<td>0° to +200°F</td>
<td>300 300 300 300 300 300 300 300 300 300 300</td>
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<td>PLP Composite</td>
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<tr>
<td>PLM</td>
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</tr>
<tr>
<td>PLS</td>
<td>-4° to +245°F</td>
<td>290 290 290 290 290 290 290 290 290 290 290</td>
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<td>LIQUIfit™</td>
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<td>230 230 190 160 230 230 230 190 160</td>
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<tr>
<td>TrueSeal™</td>
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<td></td>
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<tr>
<td>Acetal</td>
<td>-20° to +180°F</td>
<td>300 300 300 250</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>0° to +225°F</td>
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<tr>
<td>Kynar</td>
<td>0° to +275°F</td>
<td>300 300 300</td>
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## Tubing Compatibility

<table>
<thead>
<tr>
<th>Metal Tubing</th>
<th>Parflex Thermoplastic Tubing</th>
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<th>Polyflex</th>
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<tr>
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<td>Fluoropolymer</td>
<td>Tubing</td>
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<td>Copper</td>
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<td></td>
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<tr>
<td>Aluminium</td>
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</tr>
<tr>
<td>Stainless Steel</td>
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</tr>
<tr>
<td>Polyethylene E &amp; EB</td>
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</tr>
<tr>
<td>Polyethylene PE</td>
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<td>Polyethylene HDPE</td>
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<td>Nylon N</td>
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<td>Nylon PAT</td>
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<tr>
<td>Nylon NR</td>
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</tr>
<tr>
<td>Polypropylene PP &amp; PPB</td>
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<tr>
<td>Polyurethane U (60-90 Shore A)</td>
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<td>Polyurethane LU (60 Shore A)</td>
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<tr>
<td>Clear Vinyl</td>
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<tr>
<td>PFA Fluoropolymer</td>
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<tr>
<td>FEP Fluoropolymer</td>
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<tr>
<td>PTFE Fluoropolymer</td>
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<tr>
<td>PVDF Fluoropolymer</td>
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<tr>
<td>TPU Polyurethane</td>
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<tr>
<td>Polyethylene</td>
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<tr>
<td>PlM</td>
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<tr>
<td>PLP Metal</td>
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<tr>
<td>PLP Composite</td>
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</tr>
<tr>
<td>LIQUIfit™</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TrueSeal™</td>
<td>MG</td>
<td>MG</td>
<td>TS</td>
</tr>
</tbody>
</table>

- **Compatible**
- **MG** Metal Gripper Collet
- **TS** Tube Support Recommended
- **G** Tubing must be Grooved
LIQUIFIT™

**Product Features:**
- Stainless steel grab ring
- Engineered polymer body
- EPDM D-seal
- No pumping effect
- NPT, BSPT threads

**Markets:** Water Filtration, Beverage Dispensing, Life Science, Bottling

**Applications:** Water, beverages, food, CO₂

**COMPATIBLE TUBING**
- Polyethylene
- Polypropylene
- Nylon

![LIQUIFIT™ Fittings Image]

How to Order

<table>
<thead>
<tr>
<th>INCHES</th>
<th>LIQUIFIT™</th>
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</thead>
<tbody>
<tr>
<td>6505</td>
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<tr>
<td>56</td>
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<td>11</td>
<td>B</td>
</tr>
<tr>
<td>W</td>
<td>C</td>
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<tr>
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<table>
<thead>
<tr>
<th>METRIC</th>
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</tr>
<tr>
<td>W</td>
<td>C</td>
</tr>
<tr>
<td>P2</td>
<td>D</td>
</tr>
</tbody>
</table>

**Fitting Configuration**
- 6505 Male Connector
- 6315 Female Connector
- 6306 Union Connector
- 6404 Union Tee
- 6316 Bulkhead Union
- 6579 Fixed Elbow
- 6353 Faucet Connector
- 6302 Union Elbow
- 6340 Union Y Connector
- 6366 Reducer
- 6388 Plug-in Tee
- 6307 Cross

**Tube/Stem Size**

<table>
<thead>
<tr>
<th>Inches</th>
<th>Metric</th>
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<tbody>
<tr>
<td>11/8</td>
<td>4mm</td>
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<tr>
<td>1/4</td>
<td>6mm</td>
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<tr>
<td>5/16</td>
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</tr>
<tr>
<td>3/8</td>
<td>10mm</td>
</tr>
<tr>
<td>1/2</td>
<td>12mm</td>
</tr>
</tbody>
</table>

**Thread or Tube OD**

<table>
<thead>
<tr>
<th>Inches</th>
<th>Metric</th>
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<tr>
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<td>4mm</td>
</tr>
<tr>
<td>1/4</td>
<td>6mm</td>
</tr>
<tr>
<td>3/8</td>
<td>8mm</td>
</tr>
<tr>
<td>1/2</td>
<td>10/12mm</td>
</tr>
<tr>
<td>7/16-24</td>
<td></td>
</tr>
<tr>
<td>3/8</td>
<td>14mm</td>
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<tr>
<td>13/8</td>
<td>14mm</td>
</tr>
<tr>
<td>3/4</td>
<td>17/19mm</td>
</tr>
</tbody>
</table>

**Color Code**
- W: White
- G: Gray

**Packaging**
- P2: Standard Packaging
**How to Order**

### INCHES TRUESEAL™

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<td>F</td>
<td>Kynar</td>
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<tr>
<td>8</td>
<td>1/2</td>
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</tbody>
</table>

### 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** Cap
- **FE** Female Elbow
- **ME** Male Elbow
- **ST** Straight Thread
- **TCB** Tube-to-Barb Stem
- **TEB** Tube Elbow
- **TEB** Tube Elbow
- **TPL** Plug

### Thread Size

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

### Gripper Material

- **MG** Metal Gripper
- **Blank** Plastic Gripper

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**Product Features:**
- Metal gripper collet with stainless steel bite edge
- Acetal, polypropylene, and Kynar body material; EPDM seal in acetal and polypropylene fluorocarbon in Kynar material
- Push button release
- NPT threads

**Markets:** Food, Potable Water, Chemical, Filtration

**Applications:** Air, water, soft drinks, beer, wine, dyes

**COMPATIBLE TUBING**
- Polyethylene
- Polypropylene
- Nylon
- Vinyl
- Fluoropolymer
- Polyurethane

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**Engineered polymer**

**Stainless steel gripping ring**

**D-seal**

**All plastic body**

**Collet**

---

**FDA**

**NSF**

**NSF**

**RoHs**

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**TRUESEAL™ Fittings**
Product Line
Flow Control Fittings

FLOW CONTROLS

Product Features:
• Control the speed of a pneumatic cylinder
• Adjustable restrictor controls the exhaust air flow; inlet flow is unrestricted full bore
• Can be placed in line or fitted to the cylinder; direct mounting onto the cylinder is preferred for more precise and constant flow regulation
• Compact, miniature, and swivel flow controls designed for reduced space applications
• Metal and stainless steel flow controls available for use in severe conditions (temperature, sparks, abrasion, etc.)

Markets: Factory/Process Automation, Life Science, Food Processing, Water and Beverage, Petrochemical

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

COMPATIBLE TUBING
Semi-rigid nylon
Polyurethane 95 Durometer Shore A
Nylon
Fluoropolymer

Slot for screwdriver adjustment
Fine thread adjustment screw
Lock nut
Engineered composite body
"O" rings
Nitrile D-seal
Stainless steel gripping ring
Check valve
Sub-base
Sealing "O" ring on BSPP threads, and thread sealant on NPT and BSPT threads
Flow Control Specifications

Temperature/Pressure

<table>
<thead>
<tr>
<th>Product</th>
<th>Temperature</th>
<th>Tube Sizes/PSI</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>90 Degree Models</td>
<td>30° to 160°F</td>
<td>145</td>
</tr>
<tr>
<td>Swivel Outlet Models</td>
<td>30° to 160°F</td>
<td>145</td>
</tr>
<tr>
<td>In-line Models</td>
<td>30° to 160°F</td>
<td>145</td>
</tr>
<tr>
<td>Plug-in Models</td>
<td>30° to 160°F</td>
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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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Available

Swivel Outlet Flow Control

In-line Flow Control

90 Degree Flow Control
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 inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

**Hose, Tubing and Bundles:**
Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

**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)