



# Connection Solutions

for Food Machinery and Process Applications

Push-In Fittings, Tubing, Function Fittings, Couplers, Accessories



ENGINEERING YOUR SUCCESS.



High quality products, innovative solutions and an international presence.

A complete range of pneumatic products meeting the requirements of food processing and packaging applications.

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## Fittings Adapted to Each Zone of the Food Process Industry

4

## Our Solution for Each Food Zone Area

6

1 & 2

Robust products conveying any type of fluid, corrosion-resistant, safe, and easy to clean.



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10

3

Robust products, resistant to corrosion and mechanical constraints.



## Our Solution for the Non Food Zone

12

4

Products with high performance pressure and temperature capability.



## LIQUIfit®, Solutions for fluids & Beverages

14

Our new range for the transportation of water, beverages and other consumable liquids.



# Fittings Adapted to Each Zone of the Food Process Industry

Parker Legris is committed to developing wide ranges of robust pneumatic components that are chemically resistant and easy to clean.

Our offer perfectly suits each food process zone, enabling the manufacture of machinery and equipment which meet current standards.



## Food Zone



### CHARACTERISTICS OF THE ZONE

Surfaces in contact with foodstuffs or where there can be a risk of projection or migration of materials into the manufacturing process.

1&2

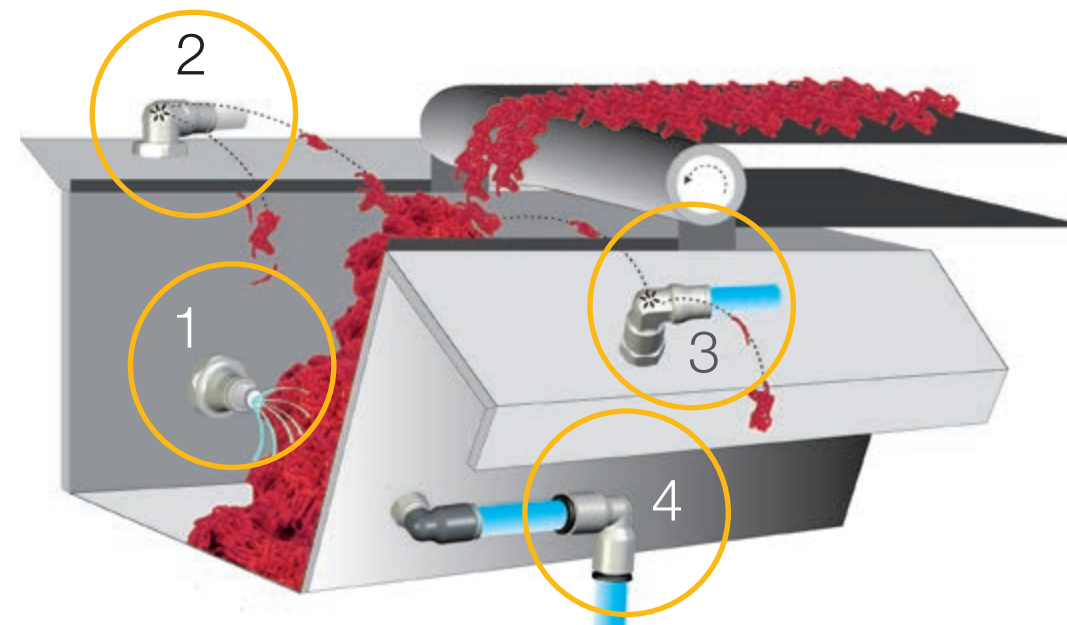
1 - Fluid and food  
2 - Air, vacuum and water

### REQUIREMENTS FOR PNEUMATIC COMPONENTS

- High hygienic standards: materials and shapes suitable for use with foodstuffs.
- Aggressive cleaning agents: non-corrosive, non-toxic and non-absorbent materials.
- Mechanical strength during use or when cleaning: a robust product.

### OUR PRODUCT ANSWER

A wide and complete range of robust stainless steel products, manufactured in accordance with HACCP methodology (Hazard Analysis Critical Control Point). Fittings with a hygienic design, easy to clean for permanent contact with food, conforming to FDA and 1935/2004/EC standards.



## Splash Zone



3 - Air, water and vacuum

### CHARACTERISTICS OF THE ZONE

Surfaces subject to the projection of food, but with limited potential return to the manufacturing process.

3

### REQUIREMENTS FOR PNEUMATIC COMPONENTS

- High hygienic standards: materials and shapes suitable for use with foodstuffs.
- Aggressive cleaning agents: slightly corrosive, non-toxic and non-absorbent materials.
- Mechanical strength during use or when cleaning: a robust product.

### OUR PRODUCT ANSWER

A wide range of high phosphorus bonded nickel-plated brass fittings, compatible with many aggressive fluids. A quick connecting, reliable and safe gripping system, extremely resistant to high pressures, temperatures and shocks.



## Non-Food Zone



4 - Air and vacuum

### CHARACTERISTICS OF THE ZONE

Surfaces which are not in contact with food.

4

### REQUIREMENTS FOR PNEUMATIC COMPONENTS

- High pressures and temperatures: technical performance of components.
- Quick, reliable and safe connection / disconnection.
- Frequent cleaning: less corrosive materials.

### OUR PRODUCT ANSWER

An extensive range of polymer fittings, with high mechanical and chemical resistance, optimized dimensions and body designs to satisfy the ergonomics and aesthetics of pneumatic installations. A quick connecting, reliable and safe gripping system, extremely resistant to high pressures, temperatures and shocks.



# Our Solution for the Food Zone



**STAINLESS STEEL INSTANT FITTINGS**  

316 L / FKM SEALS

| THREADED FITTINGS                                                                                                               | TUBE TO TUBE FITTINGS                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <br><b>3805 / 3801</b><br>taper and parallel   | <br><b>3806</b><br>Ø4 to Ø12         |
| <br><b>3821 / 3831</b><br>taper and parallel   | <br><b>3816</b><br>IP51<br>Ø4 to Ø12 |
| <br><b>3809 / 3899</b><br>taper and parallel   | <br><b>3802</b><br>Ø4 to Ø12         |
| <br><b>3889 / 3879</b><br>taper and parallel | <br><b>3804</b><br>Ø4 to Ø12       |
|                                                                                                                                 | <b>PLUG-IN FITTINGS</b>                                                                                               |
|                                                                                                                                 | <br><b>3866</b><br>Ø4 to Ø10       |
|                                                                                                                                 | <b>CARTRIDGES</b>                                                                                                     |
|                                                                                                                                 | <br><b>3800</b><br>Ø4 to Ø12       |

**INSTANT FITTINGS**

Working Pressure: 30 bar maximum  
Vacuum: 99%  
Temperature Range: -25°C to +150°C  
Available Diameters: Ø4 to Ø12 mm  
Available Threads: M5 to 1/2"

**ACCESSORIES**

| EQUAL ELBOWS                                                                                                                          | ADAPTORS                                                                                                                             | COMPACT SILENCER                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <br><b>1843</b><br>female parallel                   | <br><b>1864</b><br>male NPT,<br>female parallel     | <br><b>0682</b><br>parallel    |
| <br><b>1844</b><br>male taper,<br>female parallel    | <br><b>1867</b><br>male taper,<br>female NPT        | <b>PLUGS</b>                                                                                                     |
| <b>BULKHEAD ADAPTOR</b>                                                                                                               | <b>REDUCERS</b>                                                                                                                      | <br><b>0285</b><br>taper       |
| <br><b>1817</b><br>parallel                          | <br><b>1863</b><br>male taper,<br>female parallel   | <b>FLUOROPOLYMER TAPE</b>                                                                                        |
| <b>SLEEVES</b>                                                                                                                        | <b>INCREASERS</b>                                                                                                                    | <br><b>0605</b>               |
| <br><b>1855</b><br>parallel                        | <br><b>1861</b><br>male taper,<br>female parallel | <b>STAINLESS STEEL FERRULES</b>                                                                                  |
| <br><b>1862</b><br>Reducer - Increaser<br>parallel | <b>PLUG-IN FITTINGS</b>                                                                                                              | <br><b>1827</b><br>Ø4 to Ø14 |
| <br><b>1823</b><br>Tailpiece adaptor<br>taper      | <br><b>3826</b>                                   |                                                                                                                  |

**TUBING**  

| CALIBRATED FEP(3)                                                                                                   | ADVANCED POLYETHYLENE                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>1005T<br/>1025T</b>       | <br><b>1015Y..F<br/>1030Y..F<br/>1075Y..F<br/>1096Y..F<br/>1098Y..F</b> |
| <b>PFA</b>                                                                                                          | <b>CRYSTAL POLYETHER POLYURETHANE(2)</b>                                                                                                                   |
| <br><b>1050T..P<br/>1100T..P</b> | <br><b>1025U..R<br/>1100U..R</b>                                        |

**TUBING**

External Diameters:  
Ø4 to Ø16

**ACCESSORIES**

Working Pressure: 150 bar maximum (silencers: 12 bar)  
Temperature Range: -20°C to +180°C  
Available Threads: 1/8" to 1"

**FUNCTION FITTINGS 316 L (1)**

| FLOW CONTROL REGULATORS                                                                                        | QUICK EXHAUST VALVES WITH THREADED FITTINGS                                                                    | NON-RETURN VALVES WITH THREADED FITTINGS                                                                       |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <br><b>7810</b><br>parallel | <br><b>7899</b><br>parallel | <br><b>4890</b><br>parallel |
| <br><b>7820</b><br>parallel |                                                                                                                | <br><b>4891</b><br>parallel |
|                                                                                                                |                                                                                                                | <br><b>4892</b><br>parallel |

**FUNCTION FITTINGS**

**Flow control regulators:** Working Pressure: 1 to 10 bar / 1 to 16 bar (7820)  
Temperature Range: 0°C to +70°C / -15°C to 120°C (7820)  
Available Threads: M5 to 1/2"

**Exhaust valves:** Working Pressure: 2 to 10 bar  
Temperature Range: -10°C to +120°C (1/8 and 1/4) or -20°C to +80°C (3/8 and 1")  
Available threads: 1/8 to 1"

**Non-return valves:** Working Pressure: 0,5 to 40 bar  
Temperature Range: -20°C to +180°C  
Available Threads: 1/8 to 1"

**STAINLESS STEEL BALL VALVES**

|                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|
| <br><b>4812</b><br>parallel   |
| <br><b>4832</b><br>parallel   |
| <br><b>0591</b><br>parallel   |
| <br><b>4810</b><br>parallel  |
| <br><b>0465</b><br>parallel |

**STAINLESS STEEL COUPLERS 316 L**  

| FKM FDA SEALS                                                                                                                      | FKM FDA SEALS                                                                                                                      | FKM FDA SEALS                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Series 20KA</b><br>Single shut off                                                                                              | <b>Series 21KA</b><br>Single shut off                                                                                              | <b>Series 25KA</b><br>Single shut off                                                                                              |
| <br><b>20KAW</b><br>parallel male<br>body       | <br><b>21KAW</b><br>parallel male<br>body       | <br><b>25KAW</b><br>parallel male<br>body       |
| <br><b>20KAIW</b><br>parallel female<br>body    | <br><b>21KAIW</b><br>parallel female<br>body    | <br><b>25KAIW</b><br>parallel female<br>body    |
| <br><b>20SFAW</b><br>parallel male<br>probe     | <br><b>21SFAW</b><br>parallel male<br>probe     | <br><b>25SFAW</b><br>parallel male<br>probe     |
| <br><b>20SFIW</b><br>parallel female<br>probe | <br><b>21SFIW</b><br>parallel female<br>probe | <br><b>25SFIW</b><br>parallel female<br>probe |
| <b>Ø INTERNAL</b><br>2,7 mm                                                                                                        | <b>Ø INTERNAL</b><br>5 mm                                                                                                          | <b>Ø INTERNAL</b><br>7,4 mm                                                                                                        |

**BALL VALVES**

Internal Ø :  
4 to 50 mm  
Threads :  
1/4" to 2"

**COUPLERS**

Working Pressure: 35 bar maximum  
Temperature Range: -15°C to +200°C  
Threads: M5 to 1/2"  
Single or double shut-off

Find all the technical characteristics of these products on our website [www.parkerlegris.com](http://www.parkerlegris.com)  
From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



# Stainless Steel Fittings LF 3800

A range  
of stainless steel  
instant  
fittings  
combining  
robustness  
and hygienic  
design

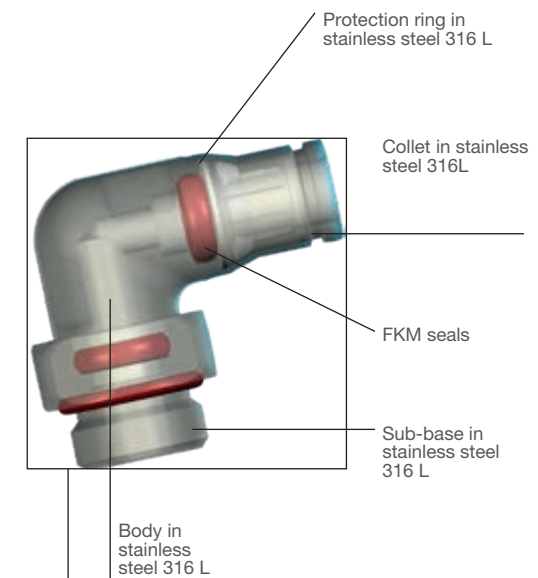
## The Largest Range on the Market

- Designed for demanding conditions of use:  
a range of instant fittings in full 316L stainless steel with FKM seals, for basic chemical resistance and a competitive price positioning
- 17 different product body shapes, diameters from 4mm to 12mm, threads from M5 to 1/2"
- 2 thread types: taper and parallel



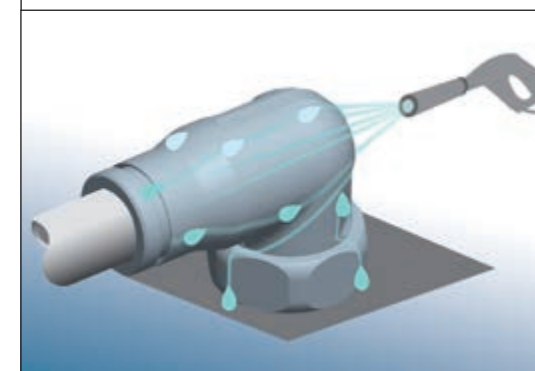
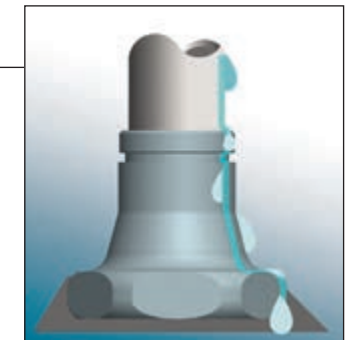
## Reliable and Robust Design

- Proven gripping technology:
  - the collet guarantees excellent gripping and improved pull-out strength for soft and stainless steel tubing
  - the collet is resistant to mechanical shocks and prevents whiplash, in particular when using metallic (pre-grooved) tubing
- Simple and reliable design
- 100 % control of manufactured components in order to guarantee quality, traceability and performance
- FKM seal resistant to the majority of aggressive chemicals
- Pressure rating: 30 bar, temperature capability: 150°C, continuous (For higher temperatures, please contact our technical department)
- Sealed bulkhead connectors (to IP55) enabling complete protection against detrimental ingress in food and non-food zones



## Hygienic Design

- Nutrient grade materials conforming to FDA and 1934/2004 EC standards, permitting permanent contact with food.
- A permissible all metal product, preventing the risk of non-detection of misplaced components.
- A very smooth surface design aimed at reducing retention zones for safe and easy cleaning :



- Compact fittings with a polished surface for improved cleaning
- Self-draining design naturally ensures the dispersion of external fluids
- Ra < 0,8 surface prevents food deposits from adhering to body
- Minimum space between release button and body of fitting
- Aerodynamic body shape, without dead zones or fixing holes, for improved and faster fluid pressure cleaning
- A range of parallel sub-bases, reducing potential retention zones

# Our Solution for the Splash Zone



## NICKEL-PLATED BRASS INSTANT FITTINGS<sup>(1)</sup>



| THREADED FITTINGS                                                                                                         | THREADED FITTINGS                                                                                                       | TUBE TO TUBE FITTINGS                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <br><b>3675</b><br>taper                 | <br><b>3698</b><br>parallel and metric | <br><b>3616</b><br>IP51<br>Ø4 to Ø14 |
| <br><b>3601</b><br>parallel and metric   | <b>BANJO FITTINGS</b>                                                                                                   | <br><b>3639</b><br>Ø4 to Ø14         |
| <br><b>3681</b><br>metric                | <br><b>3618</b><br>parallel and metric | <br><b>3600</b><br>Ø4 to Ø14         |
| <br><b>3614</b><br>parallel and metric   | <br><b>3606</b><br>Ø4 to Ø14           | <br><b>3622</b><br>Ø4 to Ø14       |
| <br><b>3609</b><br>taper               | <br><b>3602</b><br>Ø4 to Ø14         | <br><b>3626</b><br>Ø4 to Ø14       |
| <br><b>3699</b><br>parallel and metric | <br><b>3604</b><br>Ø4 to Ø14         |                                                                                                                       |
| <br><b>3608</b><br>taper               |                                                                                                                         |                                                                                                                       |

### INSTANT FITTINGS

Working Pressure: 20 bar maximum  
Vacuum: 99%  
Temperature Range: -25°C to +150°C  
Available Diameters: Ø4 to Ø14 mm  
Available Threads: M5 to 1/2

## FUNCTION FITTINGS 316L<sup>(1)</sup>



| FLOW REG. WITH ADJUSTMENT SCREW                                                                              | NON-RETURN VALVES                                                                                            |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <br><b>7810</b><br>parallel | <br><b>4890</b><br>parallel |
| <br><b>7820</b><br>parallel | <br><b>4891</b><br>parallel |
| <b>QUICK EXHAUST VALVES</b>                                                                                  | <br><b>4892</b><br>parallel |
| <br><b>7899</b><br>parallel |                                                                                                              |

## NICKEL-PLATED BRASS FUNCTION FITTINGS

| FLOW REGULATORS WITH INSTANT FITTINGS                                                                                     | BLOCKING FITTINGS WITH INSTANT CONNECTIONS                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>7100</b><br>parallel            | <br><b>7880</b><br>parallel                       |
| <br><b>7130</b><br>parallel and metric | <b>EXHAUST VALVES WITH THREADED FITTINGS</b>                                                                                         |
| <br><b>7680</b><br>parallel            | <br><b>7970</b><br>parallel                       |
| <br><b>7170</b>                       | <br><b>7971</b><br>male taper<br>female parallel |

### FUNCTION FITTINGS

|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flow control regulators :</b> | Working Pressure: 1 to 10 bar<br>Temperature Range: 0°C to +70°C<br>Available Diameters: Ø4 to Ø12<br>Available Threads: M5, 1/8" to 1/2"                    |
| <b>Blocking fittings :</b>       | Working Pressure: 1 to 10 bar<br>Temperature Range: -20°C to +70°C<br>Available Diameters: Ø4 to Ø12<br>Available Threads: 1/8" to 1/2"                      |
| <b>Exhaust valves:</b>           | Working Pressure: 0,7 to 10 bar (7870)<br>2 to 10 bar (7871)<br>Temperature Range: -20°C to +70°C<br>Available Threads: M5, 1/8 to 1"                        |
| <b>Exhaust valves 316L:</b>      | Working Pressure: 2 to 10 bar<br>Temperature Range: -10°C to +120°C<br>(1/8" to 1/4") or<br>-20°C to +180°C (3/8" et 1")<br>Available Threads: M5, 1/8" à 1" |
| <b>Non-Return Valves:</b>        | Working Pressure: 0,5 to 40 bar<br>Temperature Range: -20°C to +180°C<br>Available Threads: 1/8" to 1"                                                       |

## NICKEL-PLATED BRASS ACCESSORIES

| EQUAL ELBOWS                                                                                                                         | EQUAL Y                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>0912</b><br>female parallel and metric     | <br><b>0911</b><br>male taper / female parallel |
| <br><b>0913</b><br>male taper / female parallel   | <b>EQUAL CROSSES</b>                                                                                                               |
| <br><b>0921</b><br>female metric                  | <br><b>0908</b><br>parallel                     |
| <b>EQUAL TEE</b>                                                                                                                     | <b>ADAPTOR</b>                                                                                                                     |
| <br><b>0915</b><br>parallel and metric          | <br><b>0192</b><br>double male taper / parallel |
| <br><b>0916</b><br>male taper / female parallel | <b>PLUGS (4)</b>                                                                                                                   |
| <br><b>0923</b><br>metric                       | <br><b>0919</b><br>parallel and metric        |

### ACCESSORIES

Working pressure: 60 bar maximum  
Temperature range: -10°C to +150°C  
Available threads: M5 to 3/4

## TUBING



| CALIBRATED FEP (3)                                                                                                        | ADVANCED POLYETHYLENE                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>1005T</b><br><b>1025T</b>       | <br><b>1015Y..F</b><br><b>1030Y..F</b><br><b>1075Y..F</b><br><b>1096Y..F</b><br><b>1098Y..F</b><br>BRAIDED PVC |
| <br><b>1025U..R</b><br><b>1100U..R</b> |                                                                                                                                                                                                   |

## NICKEL-PLATED BRASS BALL VALVES

| STRAIGHT FLUOROPOLYMER SERIES                                                                                  | STRAIGHT UNIVERSAL SERIES                                                                                        |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <br><b>4902</b><br>parallel | <br><b>0402</b><br>parallel   |
|                                                                                                                | <br><b>0401</b><br>parallel   |
|                                                                                                                | <br><b>0482</b><br>parallel   |
|                                                                                                                | <br><b>0452</b><br>parallel  |
|                                                                                                                | <br><b>0439</b><br>parallel |

## NICKEL-PLATED BRASS COUPLERS

| FKM SEALS                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Series 20 / 21 / 25KA</b><br>single shut-off                                                                                 |
| <br><b>21KAAW</b><br>male parallel body      |
| <br><b>21KAIW</b><br>female parallel body    |
| <br><b>21SFAW</b><br>male parallel probe     |
| <br><b>21SFIW</b><br>female parallel probe |
| <b>Ø INTERNAL</b><br>Series 20 2,7 mm<br>Series 21 5 mm<br>Series 25 7,4 mm                                                     |

### BALL VALVES

**Fluoropolymer series:**  
Working pressure: 25 to 30 bar  
Temperature range: -20°C to +130°C  
Internal diameter: 10 to 100 mm  
Available threads: 1/4 to 4"  
**Straight universal series:**  
Working pressure: 20 to 40 bar  
Temperature range: -20°C to +80°C  
Internal diameter 4 to 40 mm  
Available threads: 1/8 to 2"

### COUPLERS

Working pressure: 35 bar  
Temperature range: -20°C to +100°C  
Available threads: M5 to 1/2"

<sup>(1)</sup> Not suitable for permanent contact with food.

<sup>(2)</sup> Authorised for contact with dry or temporarily moist food (10 minutes maximum).

<sup>(3)</sup> Authorized for contact with food, but sensitive to very aggressive chemical cleaning agents.

<sup>(4)</sup> Maximum 80°C.

Find all the technical characteristics of these products on our website [www.parkerconnectic.com](http://www.parkerconnectic.com)  
From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



# Our Solution for the Non Food Zone



| POLYMER INSTANT FITTINGS                                                                                                  |                                                                                                                           |                                                                                                                           |                                                                                                                 |                                                                                                                          |                                                                                                                 |                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| THREADED FITTINGS                                                                                                         | MALE STUD ELBOWS                                                                                                          | TEES                                                                                                                      | TUBE TO TUBE FITTINGS                                                                                           | BANJO FITTINGS                                                                                                           | CARTRIDGES                                                                                                      | PLUG-IN ACCESSORIES                                                                                               |
| <br><b>3175</b><br>taper                 | <br><b>3109</b><br>taper                 | <br><b>3108</b><br>taper                 | <br><b>3106</b><br>Ø3 to Ø14   | <br><b>3118</b><br>parallel and metric | <br><b>3100</b><br>Ø4 to Ø12 | <br><b>3182</b><br>Ø4 to Ø12   |
| <br><b>3101</b><br>parallel and metric   | <br><b>3129</b><br>taper                 | <br><b>3103</b><br>taper                 | <br><b>3102</b><br>Ø4 to Ø14   |                                                                                                                          |                                                                                                                 | <br><b>3188</b><br>Ø4 to Ø12   |
| <br><b>3181</b><br>metric                | <br><b>3113</b><br>taper                 | <br><b>3198</b><br>parallel and metric   | <br><b>3104</b><br>Ø3 to Ø14   |                                                                                                                          |                                                                                                                 | <br><b>3126</b><br>Ø3 to Ø14   |
| <br><b>3114</b><br>parallel and metric | <br><b>3199</b><br>parallel and metric | <br><b>3193</b><br>parallel and metric | <br><b>3140</b><br>Ø4 to Ø12 |                                                                                                                          |                                                                                                                 | <br><b>3151</b><br>Ø4 to Ø12 |
|                                                                                                                           |                                                                                                                           |                                                                                                                           | <br><b>3144</b><br>Ø4 to Ø6  |                                                                                                                          |                                                                                                                 |                                                                                                                   |
|                                                                                                                           |                                                                                                                           |                                                                                                                           | <b>BULKHEAD TUBE TO TUBE FITTINGS</b>                                                                           |                                                                                                                          |                                                                                                                 |                                                                                                                   |
|                                                                                                                           |                                                                                                                           |                                                                                                                           | <br><b>3116</b><br>Ø4 to Ø14 |                                                                                                                          |                                                                                                                 |                                                                                                                   |

## INSTANT FITTINGS

Working Pressure: 20 bar maximum  
Vacuum: 99%  
Temperature Range: -20°C to +80°C  
Available Diameters: Ø3 to Ø14mm  
Available Threads: M3, M5, 1/8 to 1/2

| POLYMER FUNCTION FITTINGS                                                                                       |                                                                                                                |                                                                                                                                 | TUBING                                                                                                                                       | NICKEL-PLATED BRASS BALL VALVES                                                                                | COUPLERS                                                                                                                        |                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| FLOW REGULATORS WITH INSTANT FITTINGS                                                                           | BLOCKING FITTINGS WITH INSTANT CONNECTIONS                                                                     | NON-RETURN VALVES                                                                                                               | SEMI-RIGID POLYAMIDE                                                                                                                         |                                                                                                                | NICKEL-PLATED BRASS COUPLERS                                                                                                    | SAFETY COUPLERS                                                                                                                |
| <br><b>7010</b><br>parallel  | <br><b>7883</b><br>parallel | <br><b>7996</b><br>double union<br>Ø4 to Ø12 | <br><b>1025P 1100P</b>                                    | <br><b>0492</b><br>parallel | <br><b>SERIES 23 / 24 / 30</b>               | <br><b>9401U</b><br>male parallel body      |
| <br><b>7060</b><br>parallel  | <b>PILOTED NON-RETURN VALVES</b>                                                                               | <br><b>7984</b><br>parallel and metric       | <b>FLEXIBLE POLYESTER POLYURETHANE</b>                                                                                                       | <br><b>0491</b><br>parallel | <br><b>23KAAK</b><br>male parallel body      | <br><b>9414U</b><br>female parallel body    |
| <br><b>7040</b><br>parallel  | <br><b>7894</b><br>parallel | <br><b>7985</b><br>taper                     | <br><b>1025U 1100U</b>                                    | <b>VANNES A PURGE</b>                                                                                          | <br><b>23KAIW</b><br>female parallel body    | <br><b>9087U</b><br>male parallel probe     |
| <br><b>7770</b><br>in-line |                                                                                                                |                                                                                                                                 | <b>POLYETHER POLYURETHANE BLACK, BLUE</b>                                                                                                    | <br><b>0669</b><br>parallel | <br><b>23SFAK</b><br>male parallel probe     | <br><b>9086U</b><br>female parallel probe |
| <br><b>7030</b><br>plug-in |                                                                                                                |                                                                                                                                 | <br><b>1025U..R 1100U..R</b>                            |                                                                                                                | <br><b>23SFIW</b><br>female parallel probe |                                                                                                                                |
|                                                                                                                 |                                                                                                                |                                                                                                                                 | <b>ADVANCED POLYETHYLENE</b>                                                                                                                 |                                                                                                                | <b>Ø INTERNAL</b><br>Series 23 5,5 mm<br>Series 24 5,5 mm<br>Series 30 8,5 mm                                                   |                                                                                                                                |
|                                                                                                                 |                                                                                                                |                                                                                                                                 | <br><b>1015Y..F 1030Y..F 1075Y..F 1096Y..F 1098Y..F</b> |                                                                                                                |                                                                                                                                 |                                                                                                                                |

## FUNCTION FITTINGS

Working Pressure: 1 to 10 bar  
Temperature Range: 0°C to +70°C  
Available Diameters: Ø4 to Ø12  
Available Threads: M3 to 1/2

## TUBING

External Diameters: Ø3 to Ø16

## BALL VALVES

Working Pressure: 12 bar maximum  
Temperature Range: -20°C to +80°C  
Internal Diameter: 4 to 13 mm  
Available Threads: 1/4 to 3/4

## COUPLERS

Working Pressure: 35 bar / 16 bar (safety couplers)  
Temperature Range: -20°C to +100°C / -20°C to +60°C (safety couplers)  
Available Threads: 1/4 to 1/2

Find all the technical characteristics of these products on our website [www.parkerlegris.com](http://www.parkerlegris.com)  
From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



# LIQUIfit<sup>®</sup>, Connection Solutions for Beverage & Fluids

## LIQUIfit<sup>®</sup> Push-In Fittings

This "eco-designed" range proposes an **innovative alternative** for water applications; **no fluid contamination** occurs and **environmental protection is guaranteed**. These fittings ensure **reliable and compact** connections for **liquid transfer** applications.

### Product Advantages

|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Innovative Technology & Concept | Ergonomic and aesthetic design                                                      |
|                                 | The most compact product on the market for water, beverages and liquid foodstuffs   |
| Optimal Performance             | Easy-to-clean external surfaces                                                     |
|                                 | Push-in connection and disconnection                                                |
| High Performance Material       | Full flow                                                                           |
|                                 | Use with a pre-prepared metallic tubing                                             |
|                                 | Gripping system preventing any pumping effect                                       |
|                                 | Eco-designed (materials, manufacturing process, weight, dimensions and performance) |



- Hot & Cold Drinks Dispensers
- Neutral Gases
- Cooling Systems
- Food Process
- Water Purification Systems
- Water Dispensers
- Medical
- Applications

## LIQUIfit<sup>®</sup> Push-In Fittings with Metal Adaptors

The LIQUIfit<sup>®</sup> range now benefits from a range extension of **metal adaptors** designed for **liquid transfer applications**. These fittings ensure **reliable** and **compact** connections combined with **excellent robustness**.

### Product Advantages

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Innovative Technology & Concept | Ergonomic and aesthetic design                |
|                                 | Compact product for water applications        |
| Optimal Performance             | Easy-to-clean external surfaces               |
|                                 | Full flow                                     |
| High Performance Material       | Use with a pre-prepared metallic tubing       |
|                                 | Gripping system preventing any pumping effect |



- Industrial Fluids
- Beverage Process
- Inert Gases
- Cooling Systems
- Food Process
- Applications

### Technical Characteristics

|                                |                                                                                     |               |               |
|--------------------------------|-------------------------------------------------------------------------------------|---------------|---------------|
| Compatible Fluids              | Water, beverages, CO <sub>2</sub> (inert use)<br>Chemical fluids: please consult us |               |               |
| Working Pressure               | Vacuum to 16 bar                                                                    |               |               |
| Working Temperature            | -10°C to +95°C                                                                      |               |               |
| Tightening Torques (BSPT/NPTF) | Thread                                                                              | 1/8" and 1/4" | 3/8" and 1/2" |
|                                | daN.m                                                                               | 0.15          | 0.30          |

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.  
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Component Materials

Release button: technical polymer

Body and adaptor: bio-based polymer

Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC

RG: 1935/2004/EC

FDA: 21 CFR

NSF 51 at 95°C

NSF/ANSI 61 - C HOT

DM 174

WRAS

ACS

RG: 1907/2006 (REACH)

KTW

W270

### Technical Characteristics

|                           |                                                              |         |      |      |      |      |
|---------------------------|--------------------------------------------------------------|---------|------|------|------|------|
| Compatible Fluids         | Water, beverages, industrial fluids: stainless steel threads |         |      |      |      |      |
|                           | Industrial fluids: FDA chemical nickel-plated brass threads  |         |      |      |      |      |
| Working Pressure          | Vacuum to 16 bar                                             |         |      |      |      |      |
| Working Temperature       | -10°C to +95°C                                               |         |      |      |      |      |
| Tightening Torques (BSPP) | Thread                                                       | M5 X0.8 | G1/8 | G1/4 | G3/8 | G1/2 |
|                           | daN.m                                                        | 0.16    | 0.8  | 1.2  | 3    | 3.5  |

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.  
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Component Materials

Body: bio-based polymer

Adaptor: stainless steel 316L or FDA chemical nickel-plated brass

Release button: technical polymer

Gripping ring: stainless steel

Seals: EPDM

Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC

RG: 1935/2004/EC

FDA: 21 CFR

KTW (stainless steel only)

W270 (stainless steel only)

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