Legris designs, produces and sells technical components designed for numerous industrial applications. The Legris offer - innovative and highest quality - is specifically adapted for a variety of industrial and food process activities, including:

- **AUTOMOTIVE PROCESS**
- **FOOD INDUSTRY**
- **PACKAGING**

www.legris.com
www.liquifit.net
Connection solutions for food machinery and process applications

Instant fittings, tubing, function fittings, couplers, accessories
A complete range of pneumatic products meeting the requirements of food processing and packaging applications.

High quality products, innovative solutions and an international presence.
Fittings adapted to each zone of the **food process industry**

---

**Our solution for each food zone area**

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

---

**Our solution for the splash zone**

Robust products, resistant to corrosion and mechanical constraints.

---

**Our solution for the non food zone**

Products with high performance pressure and temperature capability.

---

**LIQUIfit™**

Our new range for the transportation of water, beverages and other consumable liquids.
Fittings adapted zone of the food

Member of the EHEDG (European Hygienic Equipment Design Group), Legris is committed to developing wide ranges of robust pneumatic components that are chemically resistant and

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.

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: 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 foodstuffs, conforming to FDA and 1935/2004/CE standards.

Splash zone

CHARACTERISTICS OF THE ZONE
Surfaces subject to the projection of foodstuffs, but with limited potential return to the manufacturing process.

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: robust product.
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 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.

**FDA**

**CHARACTERISTICS OF THE ZONE**

Surfaces which are not in contact with foodstuffs.

**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**

**Non food zone**

easy to clean. Our offer perfectly suits each food process zone, enabling the manufacture of machinery and equipment which meet 3A and EN 1672-2 standards.
Our solution for the food zone

### STAINLESS STEEL INSTANT FITTINGS

<table>
<thead>
<tr>
<th>316 L / FKM SEALS</th>
<th>303/316 L / FKM SEALS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THREADED FITTINGS</strong></td>
<td><strong>TUBE TO TUBE FITTINGS</strong></td>
</tr>
<tr>
<td>3905 / 3901 taper and parallel</td>
<td>3906 Ø4 to Ø12</td>
</tr>
<tr>
<td>3921 / 3931 taper and parallel</td>
<td>3916 IPS1 Ø4 to Ø12</td>
</tr>
<tr>
<td>3909 / 3999 taper and parallel</td>
<td>3902 Ø4 to Ø12</td>
</tr>
<tr>
<td>3989 / 3979 taper and parallel</td>
<td>3904 Ø4 to Ø12</td>
</tr>
<tr>
<td><strong>PLUG-IN FITTINGS</strong></td>
<td><strong>CARTRIDGES</strong></td>
</tr>
<tr>
<td>3903 / 3993 taper and parallel</td>
<td>3966 Ø4 to Ø10</td>
</tr>
<tr>
<td>3908 / 3998 taper and parallel</td>
<td>3900 Ø4 to Ø12</td>
</tr>
<tr>
<td><strong>FUNCTION FITTINGS 316 L/1</strong></td>
<td><strong>FLOW REGULATORS WITH THREADED FITTINGS</strong></td>
</tr>
<tr>
<td><strong>INSTANT FITTINGS</strong></td>
<td><strong>QUICK EXHAUST VALVES WITH THREADED FITTINGS</strong></td>
</tr>
<tr>
<td><strong>NON-RETURN VALVES WITH THREADED FITTINGS</strong></td>
<td></td>
</tr>
<tr>
<td>Working pressure: 30 bar maximum</td>
<td>7800 parallel</td>
</tr>
<tr>
<td>Vacuum: 99%</td>
<td>7801 parallel</td>
</tr>
<tr>
<td>Temperature range: -20°C to +120°C</td>
<td>7899 parallel</td>
</tr>
<tr>
<td>Available diameters: Ø4 to Ø12</td>
<td>4890 parallel</td>
</tr>
<tr>
<td>Available threads: M5 to 1/2</td>
<td>4891 parallel</td>
</tr>
</tbody>
</table>

### 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”

---

1. Not suitable for the transportation of alimentary fluids.
2. Authorised for contact with dry or temporarily moist foodstuffs (10 minutes maximum).
3. Authorized for contact with foodstuffs, but sensitive to very aggressive chemical cleaning agents.
Our solution for the food zone

Find all the technical characteristics of these products on our website legris.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

The largest range on the market

- 2 new product ranges for demanding conditions of use:
  - LF 3900: a range of instant fittings in full 316L stainless steel, with FKM seals, for optimum resistance to aggressive environments.
  - LF 3800: a range of instant fittings in full 316L stainless steel (except for the collet in 303), with FKM seals, for elemental chemical resistance and a competitive price positioning.

- 21 different product body shapes, diameters from 4mm to 12mm, threads from M5 to 1/2.

- 2 thread types: taper and parallel.

New range of stainless steel instant fittings combining robustness and hygienic design
Reliable and robust design

- Proven gripping technology.
  - The collet guarantees excellent gripping and improved pull-out forces 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: 120°C, continuous
- Sealed bulkhead connectors (to IP51) enabling complete protection against detrimental ingress in food and non-food zones.

Hygienic design

- Nutriment grade materials and H1 grease conforming to FDA and 1934/2004 CE standards, permitting permanent contact with foodstuffs.
- A permissable all metal product, avoiding 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 quicker fluid pressure cleaning.
  - A range of parallel sub bases, reducing potential retention zones.
Our solution for the

**BRASS NICKEL PLATED INSTANT FITTINGS**

<table>
<thead>
<tr>
<th>threaded fittings</th>
<th>threaded fittings</th>
<th>tube to tube fittings</th>
<th>tube to tube fittings</th>
<th>plug-in accessories</th>
<th>plug-in accessories</th>
<th>plug-in accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>3675 taper</td>
<td>3698 parallel and metric</td>
<td>3606 Ø4 to Ø14</td>
<td>3616 IP51 Ø4 to Ø14</td>
<td>3622 Ø4 to Ø14</td>
<td>3626 Ø4 to Ø14</td>
<td>3604 Ø4 to Ø14</td>
</tr>
<tr>
<td>3601 parallel and metric</td>
<td>3618 parallel and metric</td>
<td>3602 Ø4 to Ø14</td>
<td>3639 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
<td>3606 Ø4 to Ø14</td>
<td>3604 Ø4 to Ø14</td>
</tr>
<tr>
<td>3681 metric</td>
<td>3614 parallel and metric</td>
<td>3604 Ø4 to Ø14</td>
<td>3604 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
<td>3606 Ø4 to Ø14</td>
<td>3604 Ø4 to Ø14</td>
</tr>
<tr>
<td>3609 taper</td>
<td>3699 parallel and metric</td>
<td>3608 taper</td>
<td>3608 taper</td>
<td>3600 Ø4 to Ø14</td>
<td>3606 Ø4 to Ø14</td>
<td>3604 Ø4 to Ø14</td>
</tr>
</tbody>
</table>

**BRASS NICKEL PLATED FUNCTION FITTINGS**

<table>
<thead>
<tr>
<th>flow regulators with instant fitting</th>
<th>flow regulators with instant fitting</th>
<th>flow regulators with instant fitting</th>
<th>flow regulators with instant fitting</th>
<th>flow regulators with instant fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>7100 parallel</td>
<td>7130 parallel</td>
<td>7880 parallel</td>
<td>7970 parallel</td>
<td>7971 male taper female parallel</td>
</tr>
<tr>
<td>7130 parallel and metric</td>
<td>7880 parallel</td>
<td>7970 parallel</td>
<td>7971 male taper female parallel</td>
<td>7170</td>
</tr>
<tr>
<td>CARTRIDGES</td>
<td>CARTRIDGES</td>
<td>CARTRIDGES</td>
<td>CARTRIDGES</td>
<td>CARTRIDGES</td>
</tr>
<tr>
<td>3600 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
<td>3600 Ø4 to Ø14</td>
</tr>
</tbody>
</table>

**INSTANT FITTINGS**

- Working pressure: 30 bar maximum
- Vacuum: 99%
- Temperature range: -20°C to +120°C
- Available diameters: Ø4 to Ø12
- Available threads: M5 to 1/2

**FUNCTION FITTINGS**

- Flow control regulators:
  - Working pressure: 1 to 10 bar
  - Temperature range: 0°C to +70°C
  - Available diameters: Ø4 to Ø12
  - Available threads: M5, 1/8 to 1/2

- Blocking fittings:
  - Working pressure: 1 to 10 bar
  - Temperature range: -20°C to +70°C
  - Available diameters: Ø4 to Ø12
  - Available threads: 1/8 to 1/2

- Exhaust valves:
  - Working pressure: 0.7 to 10 bar (7870) 2 to 10 bar(7871)
  - Temperature range: -20°C to +70°C
  - Available threads: M5, 1/8 to 1/2

---

1) Not suitable for the transportation of alimentary fluids.
2) Authorised for contact with dry or temporarily moist foodstuffs (10 minutes maximum).
3) Authorized for contact with foodstuffs, but sensitive to very aggressive chemical cleaning agents.
4) Not suitable for permanent contact with foodstuffs.
Our solution for the splash zone

Find all the technical characteristics of these products on our website legris.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

<table>
<thead>
<tr>
<th>threaded fittings</th>
<th>male stud elbows</th>
<th>tees</th>
<th>tube to tube fittings</th>
<th>banjo fittings</th>
<th>cartridges</th>
<th>plug-in accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>3175 taper</td>
<td>3109 taper</td>
<td>3108 taper</td>
<td>3106 Ø3 to Ø14</td>
<td>3118 parallel and metric</td>
<td>3100 Ø4 to Ø12</td>
<td>3182 Ø4 to Ø12</td>
</tr>
<tr>
<td>3101 parallel and metric</td>
<td>3129 taper</td>
<td>3103 taper</td>
<td>3102 Ø4 to Ø14</td>
<td>3104 Ø3 to Ø14</td>
<td>3100 Ø4 to Ø12</td>
<td>3188 Ø4 to Ø12</td>
</tr>
<tr>
<td>3181 metric</td>
<td>3113 taper</td>
<td>3199 parallel and metric</td>
<td>3104 Ø3 to Ø14</td>
<td>3140 Ø4 to Ø12</td>
<td>3100 Ø4 to Ø12</td>
<td>3126 Ø3 to Ø14</td>
</tr>
<tr>
<td>3114 parallel and metric</td>
<td>3198 parallel and metric</td>
<td>3192 parallel and metric</td>
<td>3140 Ø4 to Ø12</td>
<td>3116 Ø4 to Ø14</td>
<td>3100 Ø4 to Ø12</td>
<td>3151 Ø4 to Ø12</td>
</tr>
</tbody>
</table>

### Instant Fittings

- **Working pressure:** 20 bar maximum
- **Vacuum:** 99%
- **Temperature range:** -20°C to +80°C
- **Available diameters:** Ø3 to Ø14
- **Available threads:** M3, M5, 1/8 to 1/2
# food zone

## POLYMER FUNCTION FITTINGS

<table>
<thead>
<tr>
<th>Flow Regulators with Instant Fitting</th>
<th>Blocking Fittings with Push-In Connection</th>
<th>Non-Return Valves</th>
<th>Flow Regulators with Instant Fitting</th>
<th>Blocking Fittings with Push-In Connection</th>
<th>Non-Return Valves</th>
</tr>
</thead>
<tbody>
<tr>
<td>7010 parallel</td>
<td>7783 parallel</td>
<td>7996 double union Ø4 to Ø12</td>
<td>7060 parallel</td>
<td>7783 parallel</td>
<td>7996 double union Ø4 to Ø12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7984 parallel and metric</td>
<td></td>
<td></td>
<td>7984 parallel and metric</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7985 taper</td>
<td></td>
<td></td>
<td>7985 taper</td>
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<tr>
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<td></td>
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</tr>
<tr>
<td>7770 in line</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7040 parallel</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>7030 plug-in</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## TUBING

<table>
<thead>
<tr>
<th>SEMI-RIGID POLYAMIDE</th>
<th>FLEXIBLE POLYESTER POLYURETHANE</th>
<th>POLYETHER POLYURETHANE BLACK, BLUE</th>
<th>TUBING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1025P 1100P</td>
<td>0492 parallel</td>
<td>0491 parallel</td>
<td></td>
</tr>
</tbody>
</table>

## BRASS NICKEL PLATED BALL VALVES

<table>
<thead>
<tr>
<th>Couplers</th>
<th>Brasses Nickel Plated Couplers</th>
<th>Safety Couplers</th>
</tr>
</thead>
<tbody>
<tr>
<td>0492 parallel</td>
<td>0492 parallel</td>
<td>0492 parallel</td>
</tr>
<tr>
<td>1025P 1100P</td>
<td>1025U 1100U</td>
<td>1025U 1100U</td>
</tr>
</tbody>
</table>

## COUPLERS

<table>
<thead>
<tr>
<th>Couplers</th>
<th>Couplers</th>
</tr>
</thead>
<tbody>
<tr>
<td>9101</td>
<td>9101</td>
</tr>
<tr>
<td>9114</td>
<td>9114</td>
</tr>
<tr>
<td>9087</td>
<td>9087</td>
</tr>
<tr>
<td>9086</td>
<td>9086</td>
</tr>
<tr>
<td>9101U</td>
<td>9101U</td>
</tr>
<tr>
<td>9114U</td>
<td>9114U</td>
</tr>
<tr>
<td>9087U</td>
<td>9087U</td>
</tr>
<tr>
<td>9086U</td>
<td>9086U</td>
</tr>
</tbody>
</table>

### FUNCTION FITTINGS

- **Flow Regulators with Instant Fitting**
  - 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 Ø14
- **Available diameters:** Ø4 to Ø12
- **Available threads:** M3 to 1/2

### 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 legris.com. From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.
This complete range of products is dedicated to the transportation of fluids such as water, fruit juice and beverages.

A COMPLETE RANGE
- 3 tube diameters: 1/4, 3/8, 1/2.
- 4 sizes of NPTF threads: 1/8, 1/4, 3/8, 1/2.
- 120 product references available in 3 colours (white, grey and black).
- A tubing range in "advanced PE", FDA approved NSF 51.
- 8 references of ball valves and non-return valves

HIGH QUALITY MODERN MATERIALS
- Material approved by the FDA, NSF 51 and 61 (C hot).
- Excellent chemical resistance.
- Body and threads in plastic material (biomaterial).
- Sustainable products.

HIGH LEVEL TECHNICAL PERFORMANCE
- Working pressure up to 16 bar (40°C).
- Resistance to high temperatures: 95°C.
- Guaranteed static and dynamic sealing, thanks to excellent tube guidance and unique D design profile seal.
- 100% manufacturing control.
- No pumping effect.
- Quick assembly, facilitated by pre-coated thread sealant for an immediate seal.
- Performance of the "advanced PE" tubing: flexibility, UV, pressure and temperature resistance.

APPLICATIONS
- Water filtration system
- Water fountains
- Industrial water treatment systems
- Drinks vending machines

ERGONOMICS AND DESIGN
- One of the most compact fittings on the market.
- Easy, quick and safe connection / disconnection.
- Aesthetic and easy to clean.

Find all the technical characteristics of these products on our website: www.liquifit.net
LIQUIfit™

Optimum performance
Innovative Design
Maximum Capability

Range for water and beverages

A NEW CATALOGUE

A DEDICATED WEBSITE

Tube to tube fittings

LIQUIfit™

Advanced design

innovative technology

Ergonomic and aesthetic design
• The most compact profile on the market
• The very low movement of the LIQUIfit™ gripping system prevents pumping effect
• Only four movements of the LIQUIfit™ gripping system are necessary
• No torque load during connection/disconnection

Convenient connection and disconnection
• No tube insert or locking clip required at any working temperature (with Legris advanced tubing)
• Instant connection/disconnection
• More secure tube holding for tighter tube bends
• Can be used with prepared metallic tubing. Please consult us for the groove dimensions

How to build part numbers:

Female connector - NPTF
Male connector - NPTF thread
Faucet connector - UNS
Fixed elbow - NPTF thread

6305 56 11WP2 = package quantity 10 pcs
6305 60 18WP2 = package quantity 200 pcs
6305 60 14WP2 = package quantity 1000 pcs
6305 62 22WP2 = package quantity 2500 pcs
6305 62 18WP2 = package quantity 5000 pcs
6305 60 18WP2 = package quantity 10000 pcs
6305 60 14WP2 = package quantity 20000 pcs
6305 56 14WP2 = package quantity 50000 pcs
6305 56 11WP2 = package quantity 100000 pcs

6379 60 18WP2 = package quantity 10000 pcs
6379 60 14WP2 = package quantity 20000 pcs
6379 56 18WP2 = package quantity 50000 pcs
6379 56 14WP2 = package quantity 100000 pcs
6379 60 18WP2 = package quantity 100000 pcs
6379 60 14WP2 = package quantity 200000 pcs
6379 56 18WP2 = package quantity 500000 pcs
6379 56 14WP2 = package quantity 1000000 pcs

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Home | Features and Benefits | Products | Technical | Applications | Company | Contact

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Home | Features and Benefits | Products | Technical | Applications | Company | Contact

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Tube to tube fittings

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