

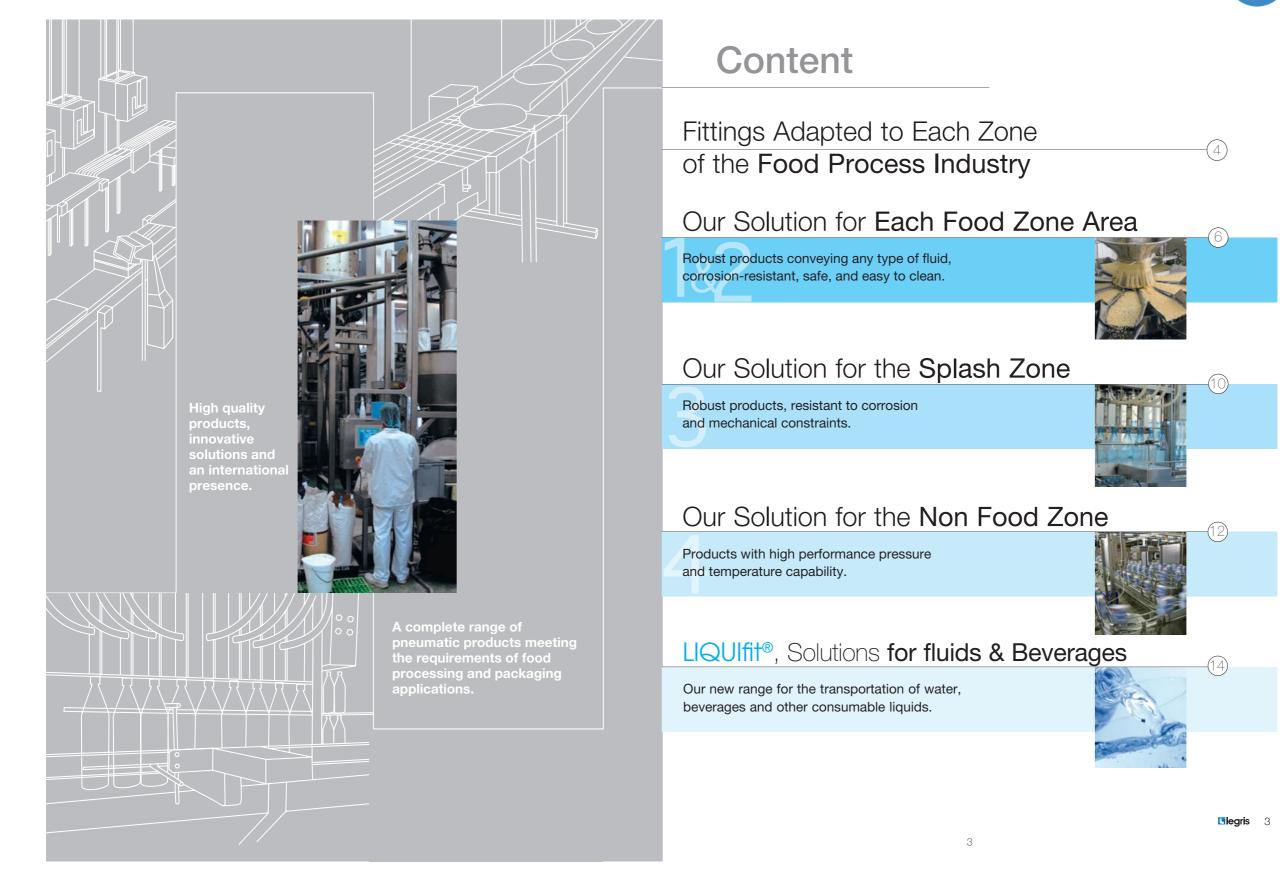


Connection Solutions for Food Machinery and Process Applications

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



ENGINEERING YOUR SUCCESS.



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark



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.



Non-Food Zone



COMPONENTS

- High pressures and temperatures:

-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.

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.

2 - Air vacuum and water

REQUIREMENTS FOR PNEUMATIC COMPONENTS

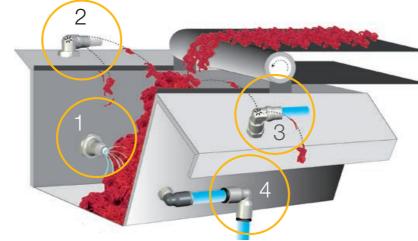
- High hygienic standards: materials and
- shapes suitable for use with foodstuffs.
- · Aggressive cleaning agents: non-corrosive, non-toxic and non-absorbent materials.
- Mechanical strength during use or when cleaning: a robust product.

-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.



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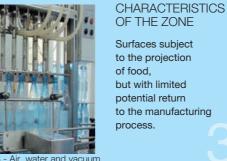


aggressive fluids.

and shocks.

FDA

Splash Zone

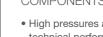


OF THE ZONE Surfaces subject to the projection of food, but with limited potential return to the manufacturing process.

REQUIREMENTS FOR PNEUMATIC COMPONENTS

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





- Quick, reliable and safe connection / disconnection



CHARACTERISTICS OF THE ZONE

Surfaces which are not in contact with food.

REQUIREMENTS FOR PNEUMATIC

technical performance of components.

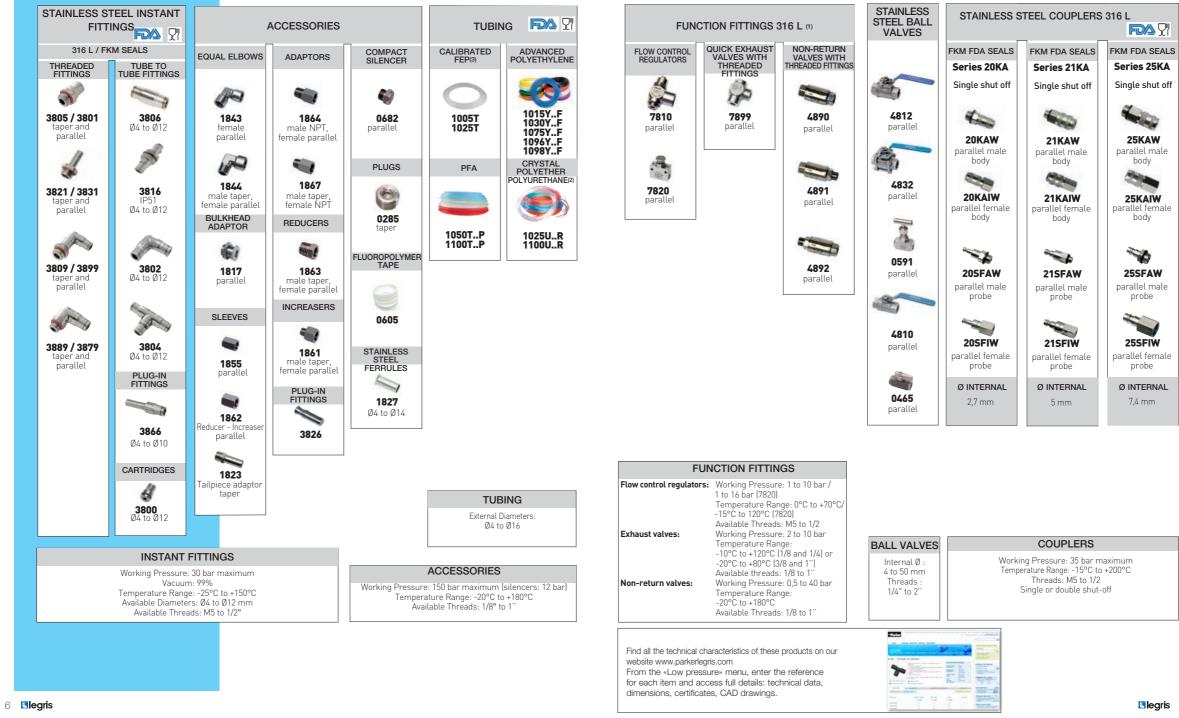
• Frequent cleaning: less corrosive materials.



Elegris 5

Our Solution for the Food Zone

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Stainless Steel Fittings LF 3800

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

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The Largest Range on the Market

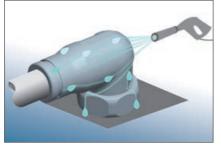
- Designed for demanding conditions of use: a range of instant fittings in full 316L stainless steel with FKM seals for basic chemical resistance and a competitive price positioning
- 17 different product body shapes, diameters from 4mm to 12mm, threads from M5 to 1/2"
- 2 thread types: taper and parallel

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



- Nutriment grade materials conforming to FDA and 1934/2004 EC standards, permitting permanent contact with food.
- A permissable 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 :



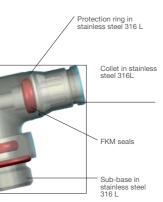
Compact fittings with a polished surface for improved cleaning
Self-draining design naturally ensures the dispersion of external fluids
Ra < 0,8 surface prevents food deposits from adhering to body
Minimum space between release button and body of fitting
Aerodynamic body shape, without dead zones or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







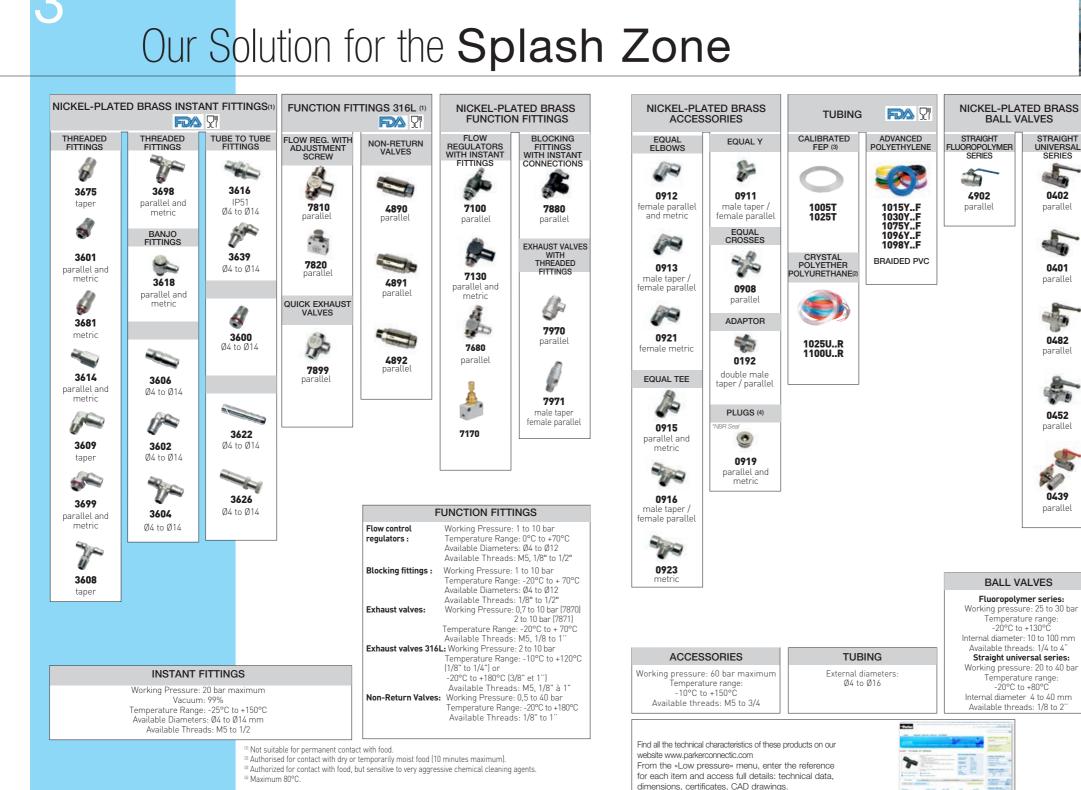




Body in stainless steel 316 L



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NICKEL-PLATED BRASS STRAIGHT FKM SEALS UNIVERSAL SERIES Series 20 / 21 / 25KA single shut-off 0402 parallel 21KAAW body 0401 parallel 21KAIW ale para body -0482 paralle 21SFAW nale parall probe 5 0452

> 21SFIW male paralle probe Ø INTERNAL

Series 20 2,7 m Series 21 5 mm Series 25 7,4 mm

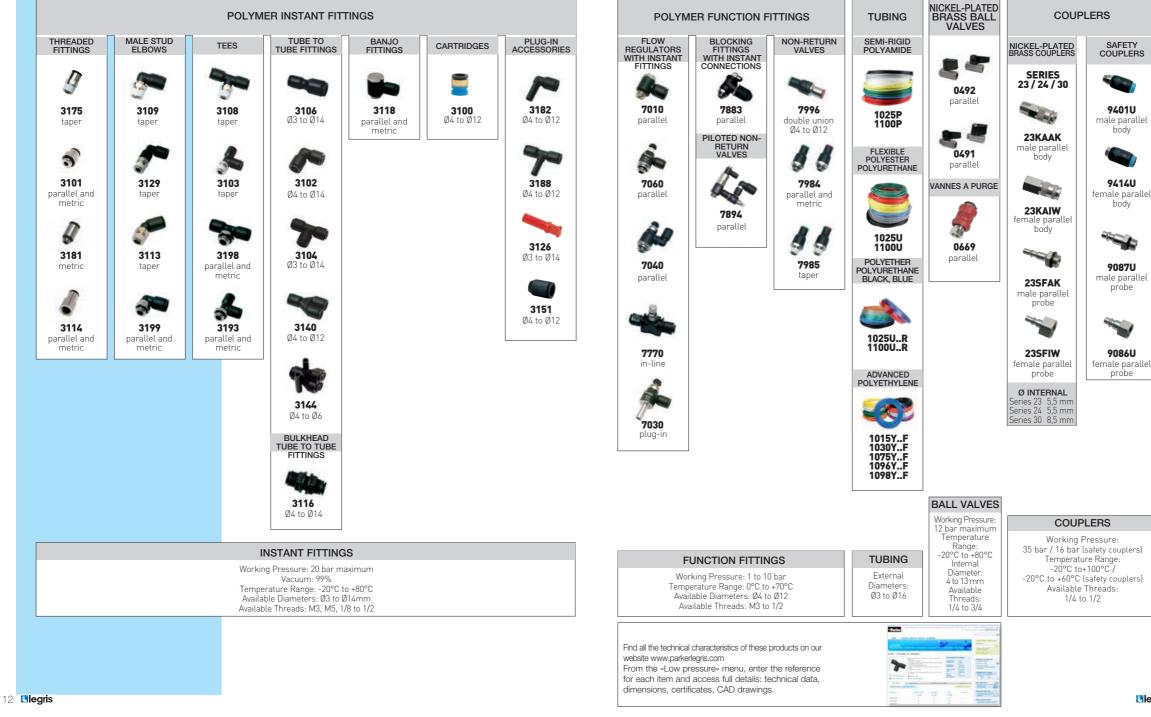
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COUPLERS Working pressure: 35 bai Temperature range: -20°C to +100°C

Available threads M5 to 1/2

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Our Solution for the Non Food Zone







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LIQUIfit[®], Connection Solutions for Beverage & Fluids

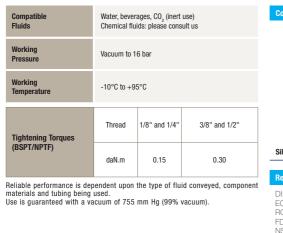
LIQUIfit[®] Push-In Fittings

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

| | antages | |
|---------------------------------------|--|---|
| Innovative Technology & Concept | Ergonomic and aesthetic design The most compact product on the market for water, beverages and liquid foodstuffs Easy-to-clean external surfaces Push-in connection and disconnection Full flow Use with a pre-prepared metallic tubing Gripping system preventing any pumping effect Eco-designed (materials, manufacturing process, weight, dimensions and performance) | CERTIFIED |
| Optimal Performance | Patented sealing technology 100% leak-tested in production Date coding to guarantee quality and traceability Wide range of shapes and numerous configurations | |
| High Performance Material | Bio-sourced polymer meeting the most severe food process regulations Suitable for contact with water and beverages Excellent chemical and mechanical resistance, even at high temperature Free of bisphenol A and phtalates, conforming with regulations | Hot & Cold Drinks Dispensers Neutral Gases Cooling Systems Food Process Water Purification Systems Water Dispensers Medical |

Technical Characteristics





tions

| : 2002/95/EC (RoHS), 2011/65/ C 3: 1935/2004/EC 3: 21 CFR SF 51 at 95°C SF/ANSI 61 - C HOT | DM 174 WRAS ACS RG: 1907/2006 (REACH) KTW W270 | |
|---|---|--|

NS



The LIQUIfit® 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 Easy-to-clean external surfaces Full flow Use with a pre-prepared metallic tubing Gripping system preventing any pumping effect | | | | |
|---------------------------------------|--|--|--|--|--|
| Optimal Performance | Patented sealing technology | | | | |
| | 100% leak-tested in production | | | | |
| | Date coding to guarantee quality and traceability | | | | |
| | Wide range of shapes and numerous configurations | | | | |
| | Excellent robustness for a long lifespan | | | | |
| High Performance | Bio-sourced polymer body meeting the most severe food process regulations | | | | |
| Material | Compatibility with beverages (stainless steel version) | | | | |
| | Unsurpassed chemical and mechanical resistance, even at high temperatures | | | | |
| | Free of bisphenol A and phtalates, conforming with regulations | | | | |
| | | | | | |

Technical Characteristics

t Materia

| Compatible Fluids | Water, beverages, industrial fluids: stainless steel threads Industrial fluids: FDA chemical nickel-plated brass threads | | | | | Bebi | |
|------------------------------|---|------------|------|------|------|------|--|
| Working Pressure | Vacuum to 16 bar | | | | | | |
| Working Temperature | -10°C to +95°C | | | | | | Adaptor: stainless st chemical n |
| 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 | Silicone-free |

Reliable performance is dependent upon the type of fluid conveyed, componen use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).



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Cooling Systems Food Process





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