



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





Connection Solutions

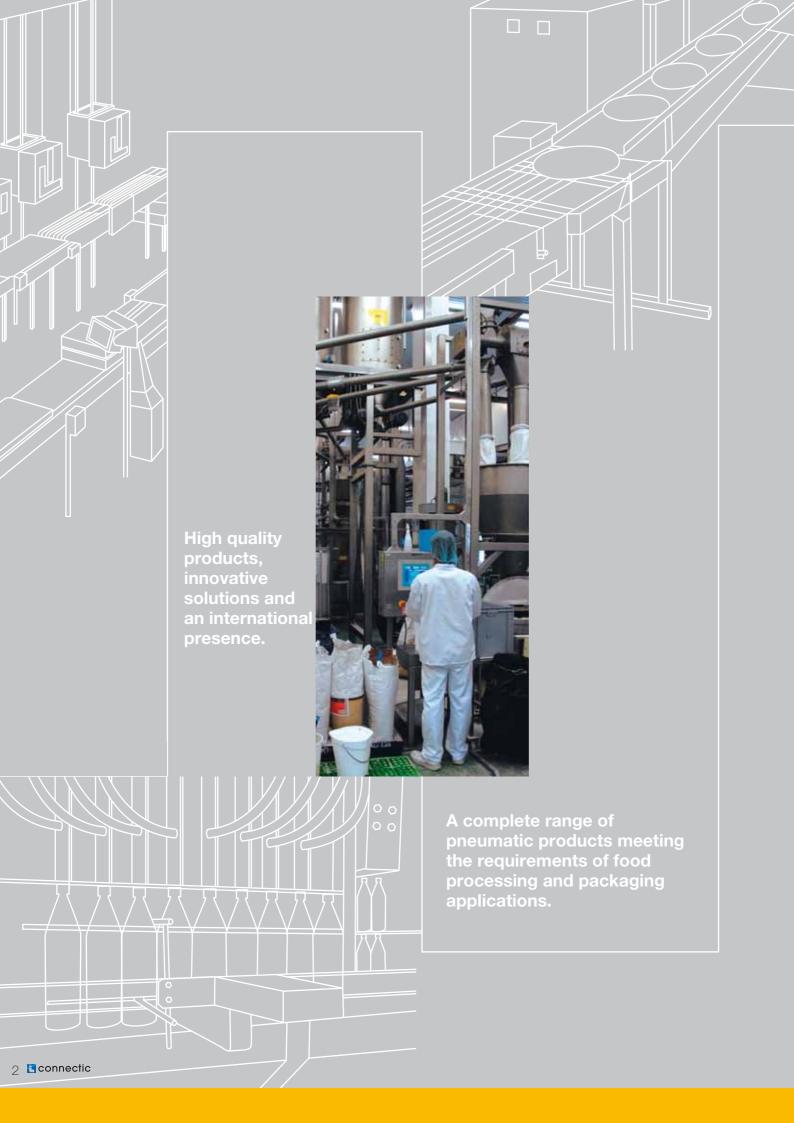
for Food Machinery and Process Applications

Instant Fittings, Tubing, Function Fittings, Couplers, Accessories









Contents

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.





Food Zone



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

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: a robust product.

JOUR PRODUCT ANSWER-

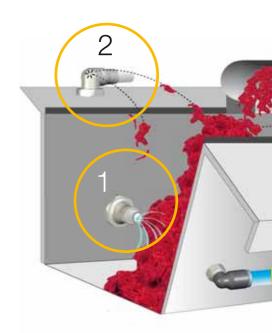
A wide and complete range of robust stainless steel products, manufactured in accordance with HACCP methodology (Hazard **Analysis Critical Control** Point). Fittings with a hygienic design, easy to clean for permanent contact with food, conforming to FDA and 1935/2004/EC standards.





Fittings Adapted Zone of the Food

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



Splash Zone



3 - Air, water and vacuum

CHARACTERISTICS OF THE ZONE

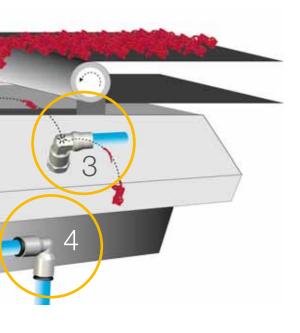
Surfaces subject to the projection of food. but with limited potential return to the manufacturing process.

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.

to Each **Process Industry**

resistant and 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 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



CHARACTERISTICS OF THE ZONE

Surfaces which are not in contact with food.

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





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 /

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' Working Pressure: 0,5 to 40 bar

Temperature Range: -20°C to +180°C

Available Threads: 1/8 to 1"

Non-return valves:

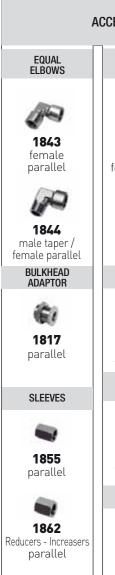
⁽¹⁾ Not suitable for the transportation of liquid food

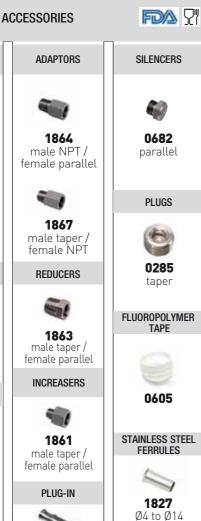
^[2] Authorised for contact with dry or temporarily moist food (10 minutes maximum)

^[3] Authorized for contact with food, but sensitive to very aggressive chemical cleaning agents

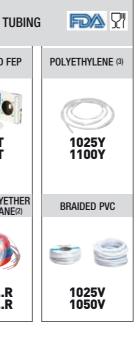
Zone















ACCESSORIES

3826

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

TUBING

External Diameters: Ø4 to Ø12

BALL VALVES Internal

Diameter: 4 to 50 mm Available Threads: 1/4 to 2"

COUPLERS

Working Pressure: 35 bar maximum Temperature Range: -15°C to +200°Č Available Threads: M5 to 1/2

Find all the technical characteristics of these products on our website www.parkerconnectic.com

From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



Stain less 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 basic 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



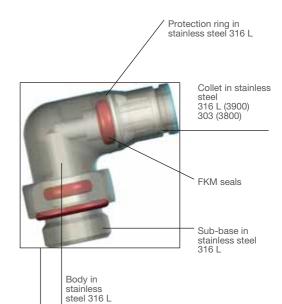


LF 3900 / 3800



Reliable and Robust Design

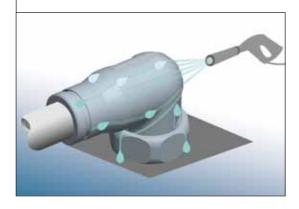
- Proven gripping technology:
 - the collet guarantees excellent gripping and improved pull-out strength for soft and stainless steel tubing
 - the collet is resistant to mechanical shocks and prevents whiplash, in particular when using metallic (pre-grooved) tubing
- · Simple and reliable design
- 100 % 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: 120°C, continuous (For higher temperatures, please contact our technical department)
- Sealed bulkhead connectors (to IP51) enabling complete protection against detrimental ingress in food and non-food zones



Hygienic Design

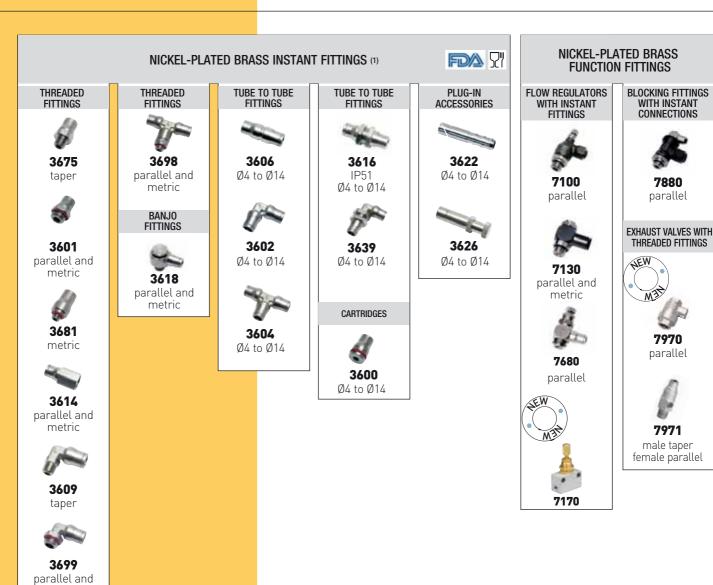
- Nutriment grade materials and H1 grease conforming to FDA and 1934/2004 EC standards, permitting permanent contact
- · A permissable all metal product, preventing the risk of non-detection of misplaced components.
- A very smooth surface design aimed at reducing retention zones for safe and easy cleaning:





- 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

Our Solution for the



INSTANT FITTINGS

Working Pressure: 30 bar maximum Vacuum: 99% Temperature Range: -20°C to +150°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 : Exhaust valves:	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 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''

- ^[1] Not suitable for permanent contact with food.
- ^[2] Authorised for contact with dry or temporarily moist food (10 minutes maximum).
- ^[3] Authorized for contact with food, but sensitive to very aggressive chemical cleaning agents.

^[4] Maximum 80°C.

metric

3608 taper

Splash Zone



NICKEL-PLATED BRASS ACCESSORIES EQUAL FOLIAL

ELBOWS

0912 female parallel and metric



0913male taper /
female parallel



0921 female metric

EQUAL TEE



0915 parallel and metric



0916male taper /
female parallel



0923 metric

EQUAL Y

0911male taper /
female parallel

EQUAL CROSSES



0908 parallel

ADAPTOR



0192 double male taper / parallel

PLUGS (4)
*NBR Seal



0919 parallel and metric

TUBING

CALIBRATED



1005T 1025T





1025U..R 1100U..R

FD/A 57





1025Y 1100Y





1025V 1050V

NICKEL-PLATED BRASS BALL VALVES

STRAIGHT FLUOROPOLYMER SERIES



4902 parallel

STRAIGHT UNIVERSAL SERIES



U4U2 parallel



0401 parallel



0482 parallel



0452 parallel



parallel

STAINLESS STEEL COUPLERS 316 L

FKM SEALS



9201

male parallel body



9214

female parallel body



9287

male parallel probe



9286

female parallel probe

Ø INTERNAL

Series X20 2,7 mm Series X21 5 mm Series X25 7,4 mm

ACCESSORIES

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

TUBING

External diameters: Ø4 to Ø12

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: -15°C to +200°C Available threads: M5 to 1/2

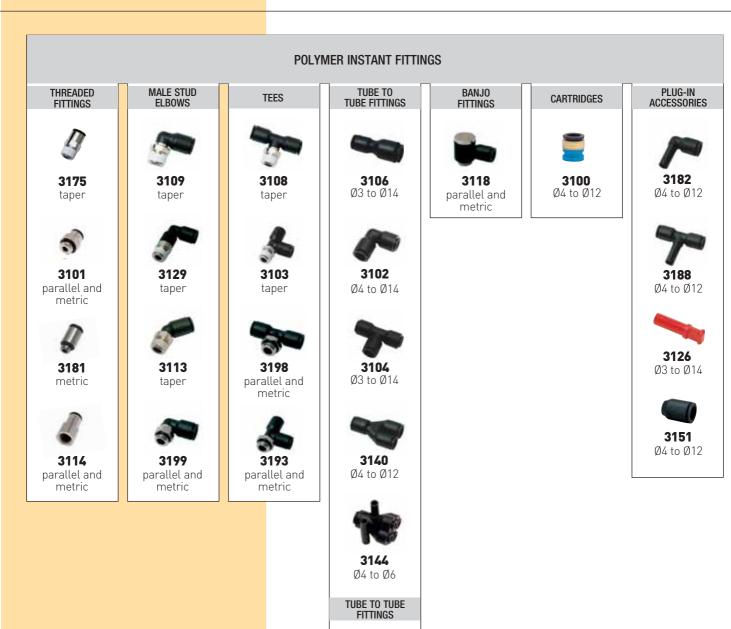
Find all the technical characteristics of these products on our website www.parkerconnectic.com

From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



4

Our Solution for the Non



INSTANT FITTINGS

3116 Ø4 to Ø14

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

FLOW REGULATORS WITH INSTANT FITTINGS



7010 parallel



7060 parallel



7040 parallel



7770



BLOCKING FITTINGS WITH INSTANT CONNECTIONS



7883 parallel



7985

taper

TUBING SEMI-RIGID POLYAMIDE



1025P 1100P

FLEXIBLE POLYESTER POLYURETHANE



1025U 1100U





NICKEL-PLATED BRASS BALL VALVES



0492 parallel



0491 parallel

COUPLERS

NICKEL-PLATED BRASS COUPLERS



9101 male parallel body



9114 female parallel body



9087 male parallel probe



9086 female parallel probe

Ø INTERNAL Serie 23 5,5 mm Serie 25 7,4 mm Serie 30 8,5 mm

SAFETY COUPLERS



9401U male parallel body



9414U female parallel body



9087U male parallel probe



9086 female parallel probe

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 Ø14

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.parkerconnectic.com

From the «Low pressure» menu, enter the reference for each item and access full details: technical data, dimensions, certificates, CAD drawings.



LIQUIfit[™]



This complete range of products is dedicated to the transportation of fluids such as water, fruit juice and other beverages.

A COMPLETE BANGE

- 10 tube diameters: 4, 6, 8, 10, 12 mm 5/32,1/4, 5/16, 3/8, 1/2
- BSPT / NPTF threads from 1/8 to 1/2
- 350 product references available
- A tubing range in "advanced PE", FDA and NSF 51 approved
- Ball valves and non-return valves





APPLICATIONS

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

HIGH QUALITY MODERN MATERIALS

- Material approved by the FDA, NSF 51 and 61 (C hot), CE1935/2004, ACS, WRAS
- Excellent chemical resistance
- Body and threads in plastic material (biomaterial)
- Sustainable products

HIGH LEVEL TECHNICAL PERFORMANCE

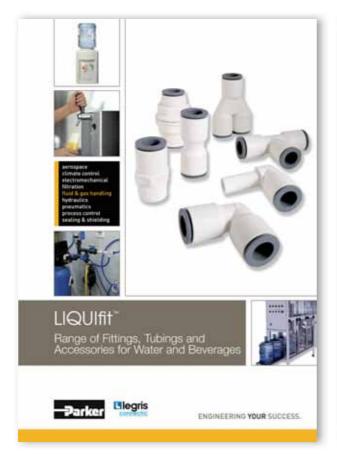
- Working pressure up to 16 bar (40°C)
- Resistance to high temperatures: 95°C
- Guaranteed static and dynamic sealing, thanks to excellent tube guidance and unique D profile seal design
- 100% manufacturing control
- No pumping effect
- Quick assembly, facilitated by pre-coated thread sealant for an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



- Attractive design

1/4 standard fitting

LIQUIfit™ A NEW CATALOGUE





A DEDICATED WEBSITE





Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai

Tel: +971 4 8127100 parker.me@parker.com

AT – Austria, Wiener Neustadt Tel: +43 (0)2622 23501-0 parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt

Tel: +43 (0)2622 23501 900 parker.easteurope@parker.com

AZ - Azerbaijan, Baku Tel: +994 50 2233 458 parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles Tel: +32 (0)67 280 900 parker.belgium@parker.com

BY - Belarus, Minsk Tel: +375 17 209 9399 parker.belarus@parker.com

CH – Switzerland, Etoy Tel: +41 (0)21 821 87 00 parker.switzerland@parker.com

CZ - Czech Republic, Klecany Tel: +420 284 083 111 parker.czechrepublic@parker.com

DE – Germany, Kaarst Tel: +49 (0)2131 4016 0 parker.germany@parker.com

DK - Denmark, Ballerup Tel: +45 43 56 04 00 parker.denmark@parker.com

ES - Spain, Madrid Tel: +34 902 330 001 parker.spain@parker.com

FI - Finland, Vantaa Tel: +358 (0)20 753 2500 parker.finland@parker.com

FR - France, Contamine s/Arve Tel: +33 (0)4 50 25 80 25 parker.france@parker.com

GR – Greece, Athens Tel: +30 210 933 6450 parker.greece@parker.com

HU – Hungary, Budapest Tel: +36 1 220 4155 parker.hungary@parker.com IE - Ireland, Dublin Tel: +353 (0)1 466 6370 parker.ireland@parker.com

IT – Italy, Corsico (MI) Tel: +39 02 45 19 21 parker.italy@parker.com

KZ – Kazakhstan, Almaty Tel: +7 7272 505 800 parker.easteurope@parker.com

NL - The Netherlands, Oldenzaal Tel: +31 (0)541 585 000 parker.nl@parker.com

NO - Norway, Asker Tel: +47 66 75 34 00 parker.norway@parker.com

PL - Poland, Warsaw Tel: +48 (0)22 573 24 00 parker.poland@parker.com

PT - Portugal, Leca da Palmeira Tel: +351 22 999 7360 parker.portugal@parker.com

RO – Romania, Bucharest Tel: +40 21 252 1382 parker.romania@parker.com

RU - Russia, Moscow Tel: +7 495 645-2156 parker.russia@parker.com

SE - Sweden, Spånga Tel: +46 (0)8 59 79 50 00 parker.sweden@parker.com

SK - Slovakia, Banská Bystrica Tel: +421 484 162 252 parker.slovakia@parker.com

SL – Slovenia, Novo Mesto Tel: +386 7 337 6650 parker.slovenia@parker.com

TR – Turkey, Istanbul Tel: +90 216 4997081 parker.turkey@parker.com

UA - Ukraine, Kiev Tel +380 44 494 2731 parker.ukraine@parker.com

UK – United Kingdom, Warwick Tel: +44 (0)1926 317 878 parker.uk@parker.com

ZA – South Africa, Kempton Park Tel: +27 (0)11 961 0700 parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario Tel: +1 905 693 3000

US – USA, Cleveland Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill Tel: +61 (0)2-9634 7777

CN - China, Shanghai Tel: +86 21 2899 5000

HK – Hong Kong Tel: +852 2428 8008

IN - India, Mumbai Tel: +91 22 6513 7081-85

JP – Japan, Tokyo Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul Tel: +82 2 559 0400

MY - Malaysia, Shah Alam Tel: +60 3 7849 0800

NZ - New Zealand, Mt Wellington

Tel: +64 9 574 1744

SG – Singapore Tel: +65 6887 6300

TH - Thailand, Bangkok Tel: +662 717 8140

TW - Taiwan, Taipei Tel: +886 2 2298 8987

South America

AR - Argentina, Buenos Aires

Tel: +54 3327 44 4129

BR - Brazil, Sao Jose dos Campos Tel: +55 12 4009 3500

CL - Chile, Santiago Tel: +56 2 623 1216

MX - Mexico, Apodaca Tel: +52 81 8156 6000

VE – Venezuela, Caracas Tel: +58 212 238 5422

European Product Information Centre Free phone: 00 800 27 27 5374 (from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

CAT/0597/UK or 0000 05 97EN 12/10

 $\ensuremath{\text{@}}$ 2010 Parker Hannifin Corporation. All rights reserved.





Fluid System Connectors Europe Legris SAS

Parker Hannifin Corporation CS 46911 - 74 rue de Paris

35069 Rennes

Phone: +33 (2) 99 25 55 00 Fax: +33 (2) 99 25 55 99 www.parkerconnectic.com