

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

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)

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 phthalates, conforming with regulations



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

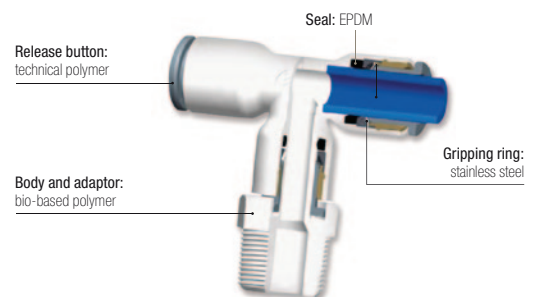
Applications

Technical Characteristics

Compatible Fluids	Water, beverages, CO ₂ (inert use) 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



Silicone-free

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
KTW: fittings, on request
WRAS
ACS

Pressure and Temperature of the Different Diameters and Related Products of the LIQUIfit® Range

-10°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+1°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+20°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+40°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

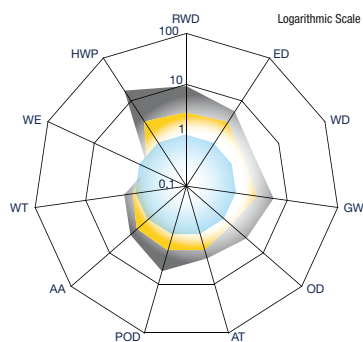
+65°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	10	10
6	1/4	10	10
8	5/16	10	10
10	3/8	7	7
12	1/2	7	7

+95°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	4	4
6	1/4	4	4
8	5/16	4	4
10	3/8	4	4
12	1/2	4	4

LIQUIfit®

Environmental Footprint

Example: representation of the environmental footprint of an equal tube-to-tube connector



Double Union
 □ Market Standard in POM
 □ Market Standard in PP
 □ PARKER LEGRIS

LIQUIfit®
Tube-to-Tube Connector



Market Standard
Tube-to-Tube Connector



Environmental Approach

The Life Cycle Analysis (LCA) offers a true alternative in terms of environmental differentiation.

We carried out a comparative LCA on the market of drinking water between 3 Parker Legris fittings and the standard products on the market.

This analysis relies on ISO 14020, ISO 14025 and IEC PAS 62545 standards and the results are presented in a report approved by an ethics committee (Bureau Veritas).




RWD: Raw Material Depletion
 ED: Energy Depletion
 WD: Water Depletion
 GW: Global Warming
 OZ: Ozone Depletion
 AT: Air Toxicity

POC: Photochemical Ozone Creation
 AA: Air Acidification
 WT: Water Toxicity
 WE: Water Eutrophication
 HWP: Hazardous Waste Production

Stud Fittings


6505 Stud Fitting, Male BSPT Thread

		Bio-based polymer, EPDM						
ØD	C		F	F1	H	kg		
4	R1/8	6505 04 10WP2	11	3	18	0.003		
	R1/4	6505 04 13WP2	14	3	18	0.004		
6	R1/8	6505 06 10WP2	11	4	18	0.002		
	R1/4	6505 06 13WP2	14	4	18	0.004		
8	R1/8	6505 08 10WP2	17	6	20	0.004		
	R1/4	6505 08 13WP2	14	6	20	0.004		
10	R3/8	6505 08 17WP2	17	6	20	0.005		
	R1/4	6505 10 13WP2	17	7	21.5	0.005		
	R3/8	6505 10 17WP2	19	7	21.5	0.007		
12	R1/2	6505 10 21WP2	22	7	21.5	0.010		
	R3/8	6505 12 17WP2	19	9	24.5	0.008		
	R1/2	6505 12 21WP2	22	9	24.5	0.012		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
Thread without pre-coating.

6505 Stud Fitting, Male NPTF Thread


Inch

		Bio-based polymer, EPDM						
ØD	C		F	F1	H	kg		
1/4	NPT1/8	6505 56 11WP2	1/2	5/32	17	0.002		
	NPT1/4	6505 56 14WP2	9/16	5/32	17	0.003		
	NPT3/8	6505 56 18WP2	3/4	1/4	21,5	0,004		
3/8	NPT1/8	6505 60 11WP2	3/4	5/32	22,1	0,005		
	NPT1/4	6505 60 14WP2	3/4	1/4	22	0.006		
	NPT3/8	6505 60 18WP2	3/4	1/4	22	0.007		
1/2	NPT1/2	6505 60 22WP2	15/16	1/4	27	0,012		
	NPT3/8	6505 62 18WP2	15/16	3/8	28	0.012		
	NPT1/2	6505 62 22WP2	15/16	3/8	28	0.013		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
Thread without pre-coating.
6505 56 18WP3, 6505 60 11WP3 and 6505 60 22WP3 are also available.


6505 Stud Fitting, Male BSPT Thread

Inch

		Bio-based polymer, EPDM						
ØD	C		F	F1	H	kg		
1/4	R1/8	6505 56 10WP2	11	5	17	0.002		
	R1/4	6505 56 13WP2	14	5	17	0.003		
3/8	R1/4	6505 60 13WP2	17	7	22	0.006		
	R3/8	6505 60 17WP2	19	7	22	0.006		
1/2	R1/2	6505 60 21WP2	22	7	28	0.012		
	R3/8	6505 62 17WP2	24	9	28	0.014		
	R1/2	6505 62 21WP2	24	9	28	0.017		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
5/32" (4 mm) and 5/16" (8 mm) also available.
Thread without pre-coating.

6315 Stud Fitting, Female BSPT Thread

		Bio-based polymer, EPDM				
ØD	C		F	H	kg	
6	R1/8	6315 06 10WP2	13	32	0.003	
	R1/4	6315 06 13WP2	16	33	0.004	
8	R1/4	6315 08 13WP2	16	33.5	0.004	
	R3/8	6315 08 17WP2	20	36	0.009	

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).