

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

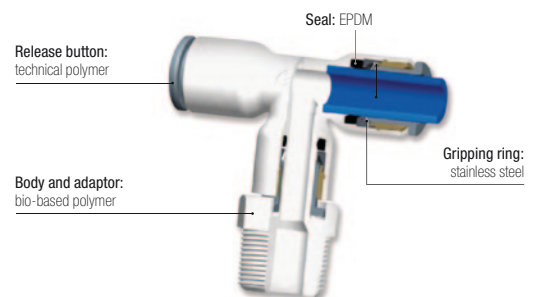
Applications

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

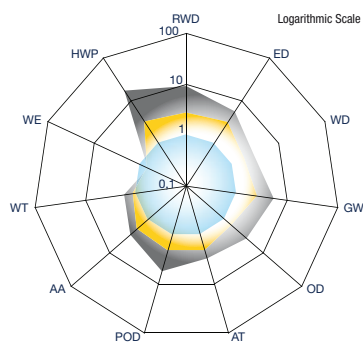
+65°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	10	10
6	1/4	10	10
8	5/16	10	10
10	3/8	7	7
12	1/2	7	7

+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

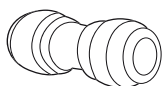


Double Union
 □ Market Standard in POM
 □ Market Standard in PP
 □ PARKER LEGRIS

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

Tube-to-Tube Fittings



6306 Equal and Unequal Tube-to-Tube Connector

		Bio-based polymer, EPDM			G	L	kg
	4	4	6306 04 00WP2		8.5	26.5	0.002
		6	6306 04 06WP2		10.5	29	0.002
		8	6306 04 08WP2		13.5	37	0.005
	6	6	6306 06 00WP2		10.5	30	0.004
		8	6306 06 08WP2		13.5	37	0.005
		10	6306 06 10WP2		16	42	0.007
	8	8	6306 08 00WP2		13.5	37	0.004
		10	6306 08 10WP2		16	42	0.007
		12	6306 08 12WP2		19	50	0.012
	10	10	6306 10 00WP2		16	42	0.009
		12	6306 10 12WP2		19	50	0.013
	12	12	6306 12 00WP2		19	50.5	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).



6306 Equal and Unequal Tube-to-Tube Connector

Inch

		Bio-based polymer, EPDM			G	L	kg
	5/16	3/8	6306 08 60WP2		16	42	0.008
		1/2	6306 08 62WP2		22	55	0.018
	1/4	1/4	6306 56 00WP2		11	30	0.002
		5/16	6306 56 08WP2		13.5	37	0.007
	3/8	3/8	6306 56 60WP2		16	41	0.007
		1/2	6306 60 00WP2		16	42	0.006
	3/8	1/2	6306 60 62WP2		22	56	0.020
		1/2	6306 62 00WP2		22	57	0.016

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



6302 Equal and Unequal Elbow

		Bio-based polymer, EPDM			G	L	kg
	4	4	6302 04 00WP2		8.5	19	0.002
		6	6302 04 06WP2		10.5	24	0.004
	6	6	6302 06 00WP2		10.5	24	0.004
		8	6302 06 08WP2		13.5	29.5	0.006
	8	8	6302 08 00WP2		13.5	29	0.004
		10	6302 08 10WP2		16	34.5	0.008
	10	10	6302 10 00WP2		16	34.5	0.005
		12	6302 10 12WP2		19	40.5	0.013
	12	12	6302 12 00WP2		19	40.5	0.010

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

6302 Equal and Unequal Elbow

Inch

		Bio-based polymer, EPDM			G	L	kg
	5/16	3/8	6302 08 60WP2		16	34	0.009
		1/4	6302 56 00WP2		11	24	0.005
	1/4	5/16	6302 56 08WP2		13.5	29.5	0.006
		3/8	6302 56 60WP2		16	34	0.008
	3/8	3/8	6302 60 00WP2		16	34	0.006
		1/2	6302 60 62WP2		22	46.5	0.011
	1/2	1/2	6302 62 00WP2		22	46.5	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).