

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

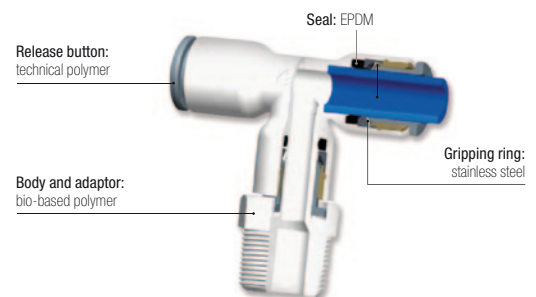
Applications

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

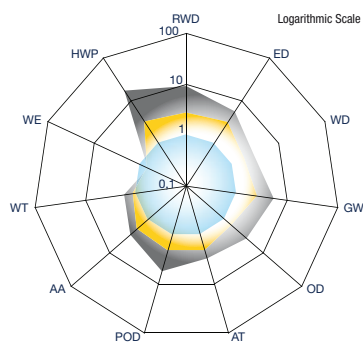
+65°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	10	10
6	1/4	10	10
8	5/16	10	10
10	3/8	7	7
12	1/2	7	7

+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

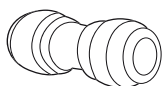


Double Union
 □ Market Standard in POM
 □ Market Standard in PP
 □ PARKER LEGRIS

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


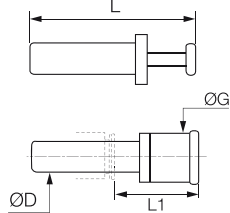

POC: Photochemical Ozone Creation
 AA: Air Acidification
 WT: Water Toxicity
 WE: Water Eutrophication
 HWP: Hazardous Waste Production

Plug-In Fittings and Accessories

6326

Blanking Plug


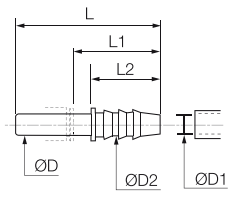

Inch

	<p>Bio-based polymer</p> 	ØD		G	L	L1	kg	
		1/4		6326 56 00WP2	8	36.5	22	0.001
		3/8		6326 60 00WP2	11.6	42.5	22	0.002
		1/2		6326 62 00WP2	14.7	48.5	21.5	0.004

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

6322

Plug-In Barb Connector Inch


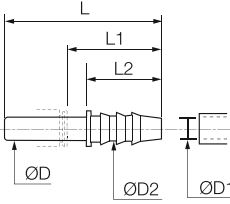

	<p>Bio-based polymer</p> 	ØD	ØD1	ØD2		L	L1	L2	kg	
		6	4	7		6322 06 04WP2	39	25	17	0.004
		8	6	8.5		6322 08 06WP2	43	25	17	0.005
		10	7	8		6322 10 07WP2	50	29.5	22	0.006
		12	12.5	15.5		6322 12 62WP2	56	32	27.5	0.004

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

6322

Plug-In Barb Connector Inch


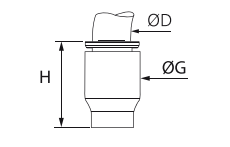

Inch

	<p>Bio-based polymer</p> 	ØD	ØD1	ØD2		L	L1	L2	kg	
		1/4	0.28	0.32		6322 56 56WP2	39	24.5	17	0.001
			0.33	0.38		6322 60 08WP2	50	29.5	22	0.001
		3/8	0.28	0.32		6322 60 56WP2	45	24.5	17	0.008
			0.40	0.45		6322 60 60WP2	50	29	22	0.002
		1/2	0.40	0.45		6322 62 60WP2	58	37.5	30	0.005

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

6351

End Cap


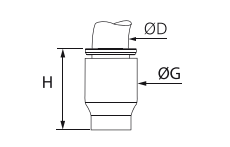

	<p>Bio-based polymer, EPDM</p> 	ØD		G	H	kg	
		4		6351 04 00WP2	8.5	15	0.001
		6		6351 06 00WP2	10.5	17	0.002
		8		6351 08 00WP2	13.5	21.5	0.003
		10		6351 10 00WP2	16	22	0.003
		12		6351 12 00WP2	19	27.5	0.006

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

6351

End Cap

Inch

	<p>Bio-based polymer, EPDM</p> 	ØD		G	H	kg	
		1/4		6351 56 00WP2	11	16	0.001
		3/8		6351 60 00WP2	16	22.5	0.003

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.