HOW TO CHOOSE YOUR LEGRIS FITTING

What type of fluid do you wish to convey?

Parker offers ranges dedicated to **compressed air and neutral gases.**

Parker presents ranges specifically designed for **water**, including:

- *Industrial water (tap water).*
- *Treated water (deionised, pure and demineralised)*

All our solutions are compatible with glycol mixtures.

Parker also has ranges compatible with **technical gases**:

- *Oxygen, breathing air, carbon dioxide, analytical gases, anaesthetic gases and inert gases.*

Parker offers ranges for **oils and lubricants.**

Do you have any compliance requirements?

• All our products comply with RoHS and REACh standards.

• Our product ranges dedicated to specific markets, such as food, medical or clean rooms, comply with the relevant regulations.

• All our processes comply with ISO 9001 and ISO 14001 standards.

For a complete list of our certificates, *please click here.*

Which configurations do you require?

• All our Legris LF ranges offer a wide variety of fitting shapes, including straight, angled, T-shaped, etc.

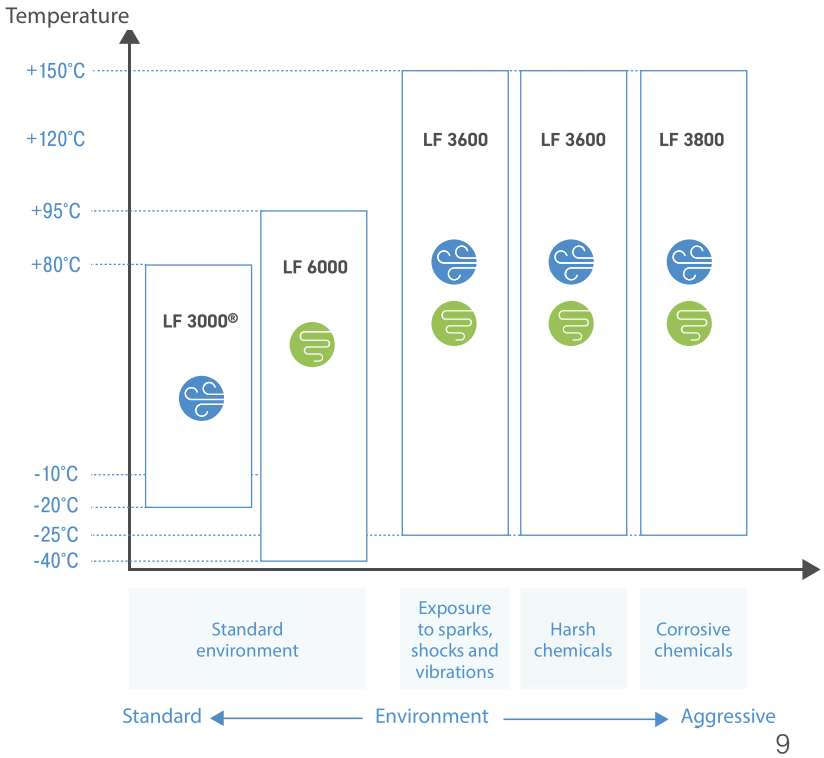
• Banjo fittings are available in the LF 3000® and LF 3600 models.

• Swivel fittings and Multi-connectors are available in the LF 3000® range.

Under what conditions do you install your fitting?

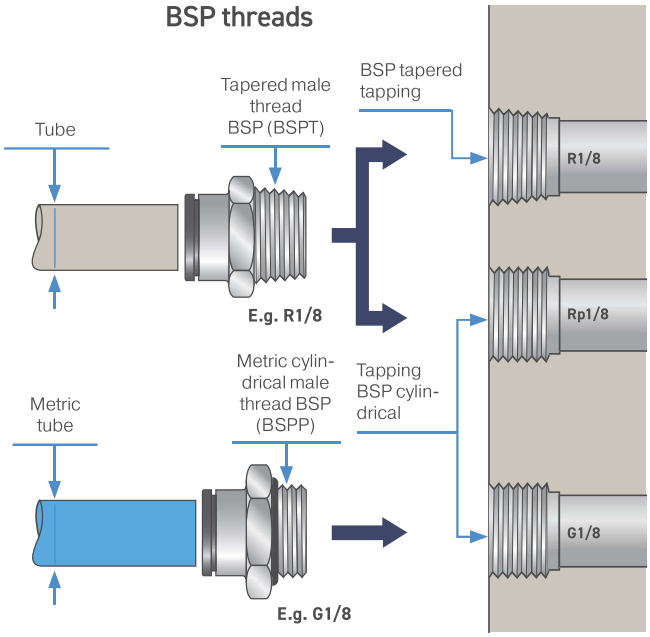
Legris push-in fittings are designed to withstand a variety of applications conditions.

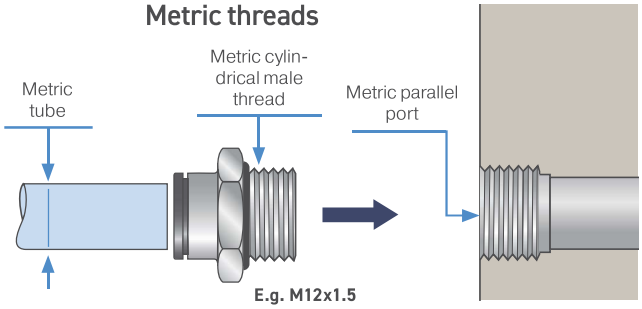
Here you will find recommended products for conveying air and water according to specific usage requirements.

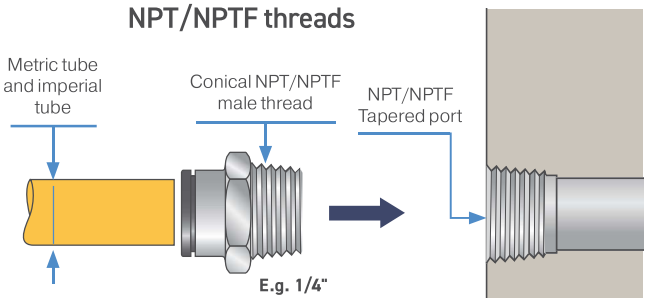


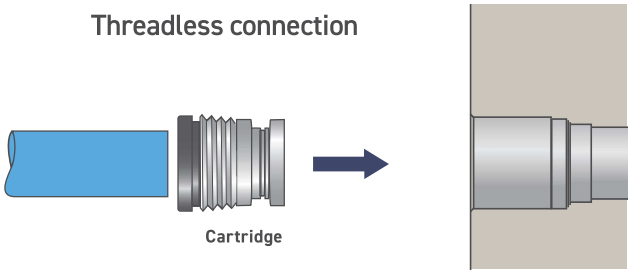
HOW TO CHOOSE YOUR LEGRIS FITTING

How should you install your fitting?









Are you familiar with the fastening technology featured in every Legris range of fittings?

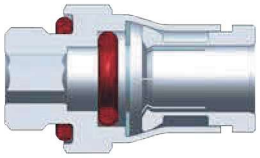
Gripping ring technology



LF 3000®
LF 6000
LF 6800

- No pumping effect
- Ideal for polymer tubes
- Particularly compact

Collet technology



LF 3600
LF 3800

- Robust solution for harsh environments
- Resistant to high pressure, very good endurance
- Ideal for grooved metal tubes

Reverse collet technology



LF 6100

- Accidental disconnection impossible
- Can withstand high pressures
- Double sealing

Which fitting connects best to your tube?

To guarantee optimal sealing performance, Legris push-in fittings and tubes have been developed together. The table opposite shows our recommendations for tube/fitting combinations.

Find the characteristics of our tubes in Chapter 6.

Fitting	Tube
LF 3000®	Polyamide (PA) Polyurethane (PU)
LF 6000	Advanced Polyethylene (APE)
LF 3600	Polyamide (PA) Fluoropolymer (FEP) Spark-resistant PA/PU Anti-static PU
LF 3800	Fluorinated Ethylene Propylene (FEP) Perfluoroalkoxy (PFA)
LF 6100	Rigid polyamide (PA) Metal tubes
LF 6800	Polyurethane (PU.G) Perfluoroalkoxy (PFA)

Part number identification

Part numbers are chosen according to a mnemonic code.
Each fitting is identified by:
- item type (4 digits);
- the nominal diameter of the tube (2 digits) corresponds to the external diameter of the tube;
- the thread code. If the product does not have a thread, the code used is 00.

3101 — Item type

Body

Designation	Code	Designation	Code
Stud fitting 	01/75	Stud Branch Tee 	08/98
Equal elbow 	02	Tube-to-Tube connector 	06
Stud Run Tee 	03/93	Banjo 	18/24
Equal tee 	04	Y equal 	40

06 — Nominal diameter

= outer diameter of the tube

Metric	Code
3 mm	03
4 mm	04
6 mm	06
.../...	
16 mm	16

Inches	Code
1/8"	53
1/4"	56
3/8"	60
1/2"	62

10 — Thread code

BSP threading	Code
1/8"	10
1/4"	13
3/8"	17
1/2"	21
3/4"	27

NPT/NPTF threads	Code
1/16"	08
1/8"	11
1/4"	14
3/8"	18
1/2"	22

Metric threading	Code
M3x0.5	09
M5x0.8	19
M6x1	52
M7x1	55
M8x1	56
M8x1.25	57
M10x1	60
M10x1.5	62
M12x1	65
M12x1.5	67