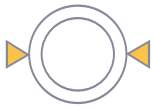
HOW TO CHOOSE YOUR TUBING OR HOSE

Terminology related to tubing and hoses



Tubing: attachment and sealing are carried out on the external diameter of the calibrated tubing. The pass diameter is therefore optimal.





Hose: The connection and seal are made on the **inner diameter** of the hose. The connection and seal are achieved by deforming the tubing. The internal diameter is therefore calibrated.



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.*

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.

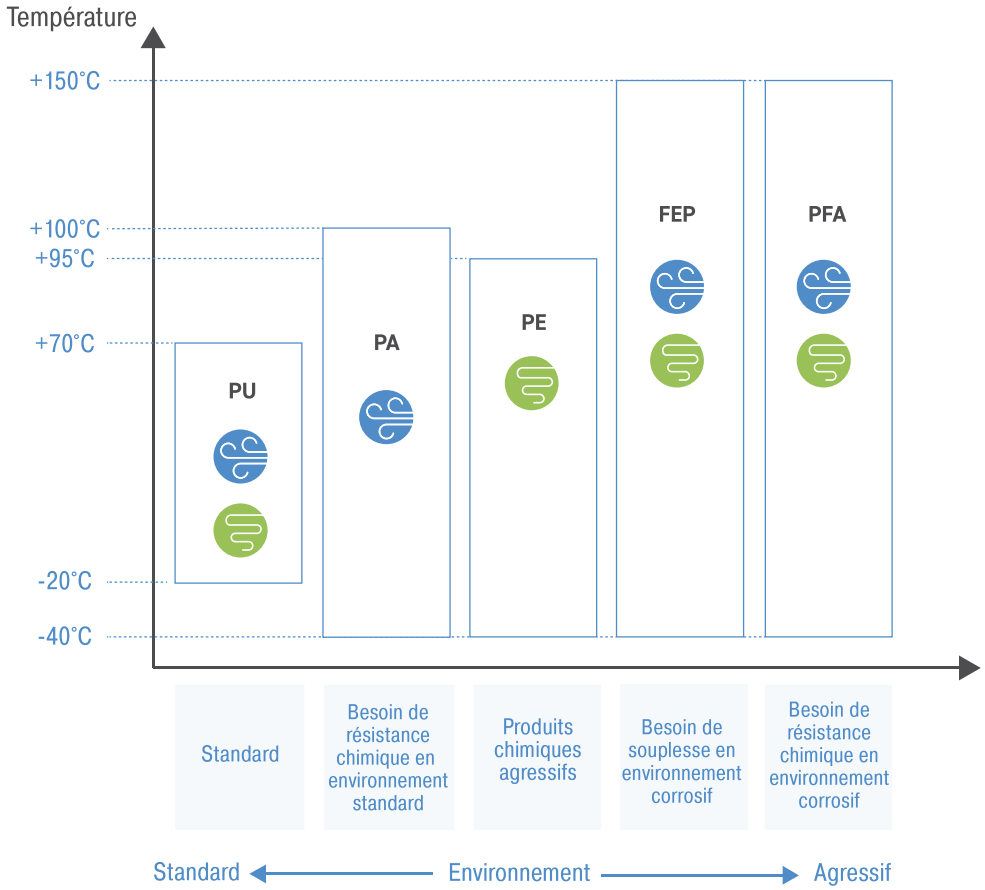
For a complete list of our certificates, *please click here.*

HOW TO CHOOSE YOUR TUBING OR HOSE

What are the conditions of use of your tubing?

Legris tubing ranges are designed to withstand a variety of conditions.

Below are the recommended products for conveying air and water according to specific usage constraints.



The bending radius shown in this catalogue are based on measurements carried out in accordance with the LPCE method, using qualified materials, and are provided for guidance only to assist in product selection. In the event of any change in material (grade, formulation, batch, treatment, thickness) or in measurement conditions (temperature, bending speed, setup, etc.), these values may vary; therefore, they do not constitute a performance commitment outside this scope.

Which fittings connect best to your tubing or hose?

To guarantee optimal sealing performance, Legris push-in fittings and tubing have been developed togEster.

The table opposite shows our recommendations for tubing/fitting combinations.

Tubing		Fitting
PU	Ester	LF3000®
	Ester	LF6000
	Crystal Ester	LF3600 (air) LF6000 (water)
	Antistatic ester PU	LF3600
	Antispark PU	
	PU Ester medical	LF6800
PA	Semi-rigid	LF3000®
	Multi-tubing	LF3000®
	Fireproof	LF3600
	Anti-spark PA	
PE	Advanced PE	LF6000
Fluorinated tubing	FEP	LF3800 (air) LF6000 brass adaptor (industrial applications) LF6000 stainless steel adaptor (Treated water)
	PFA	
Recoiled tubing	PU	Pre-fitted with fittings
	PA	
PVC hoses	PVC	Hose barb connectors, couplers, water couplings and accessories
Self-fastening hoses	NBR	Hose barb connectors, couplers

Tubing & Hoses packaging

Tubepack®

- Lengths of 5 m, 10 m, 25 m and 100 m
- For polyamide, polyurethane, fluoropolymer, polyethylene and anti-spark tubing
- Optimisation of tubing storage
- Immediate identification of the type of tubing
- Integrated winder for easy handling



5 m - 100 m

Reel

- Up to 1000 m
- For polyamide, polyurethane, fluoropolymer, etc. tubing.
- Immediate identification of the tubing for easy handling
- Adapted to workshop reels



40 m - 1000 m

Roller

- Up to 50 m
- Supplied with a protective film
- For braided tubing and special tubing (multi-tubing)



25 m - 50 m

Display bags

- Ideal for self-service sales
- Promotional tools
- Recoiled tubing or tube cut to the required length



Tubing & Hoses marking

Length indicated every meter:

- Time saving when cutting to the exact length;
- Immediately identifiable remaining quantity (PA and PU);

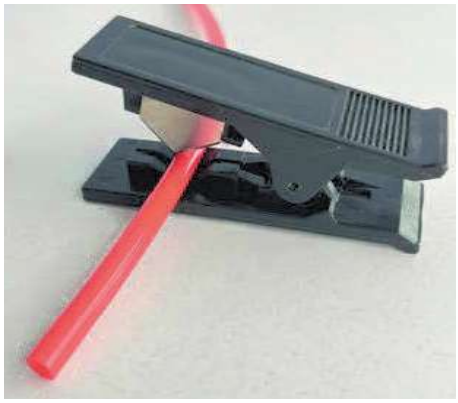
Traceability identified by marking the manufacturing batch number.



Tubing & Hoses installation guidelines

To enable you to assemble tubing and hoses, please see our recommended accessories.

- Cut the tubing or hose using the appropriate tool to ensure a straight cut.

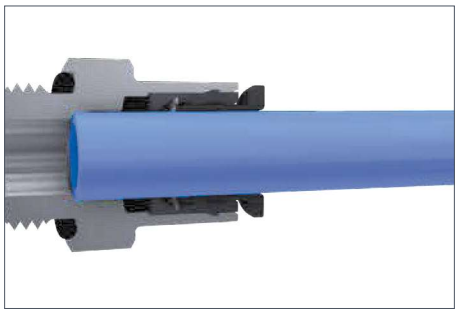


Ref. 3000 71 00, page 311



Ref. 3000 71 11, page 311

- The seal is correctly aligned and the straight cut extends to the tubing stop.



To view the installation video for our tubes and hoses, *scan here.*

- **For tubing subjected to high temperatures,** insert a ferrule to prevent creep. Ref. 0127 in brass or Ref. 1827 in stainless steel depending on the fluid being conveyed.



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- **For PVC hoses**, we recommend installing retaining clip at both ends (Ref. 0697).



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- **Self-fastening hose assembly machine**



Ref. 611050HV, page 311

Part number identification

Part numbers are chosen according to a mnemonic code.
Each tubing or hose is identified by:
- 1025: information on packaging and length
- U: the material
- 14: outer diameter
- R: additional information about the material
- 08: the colour code
- 95: a suffix to characterise the tubing

Material

H = Self-fastening NBR
L = Rigid polyamide
P = Semi-rigid polyamide
T = Fluoropolymer
U = Polyurethane
V = PVC
Y = Polyethylene

Tubing type

P..**A** = Anti-static PA
P..**R** = Fireproof PA
P..**V** = Anti-spark PA, with PVC sheath
T.. = FEP
T..**A** = Antistatic PFA
T..**P** = PFA
U..**A** = Antistatic PU
U..**K** = Single-layer spark-resistant PU
U..**R** = PU Ester
U..**V** = Spark-proof PU with PVC sheath
Y..**F** = PE Advanced

1 025 U 14 R 08 95

Packaging code

1 = Tubepack® or LIQUIfit® reel

2 = Long length on reel

Length

015 = 150 m
020 = 20 m
025 = 25 m
030 = 300 m
040 = 40 m
075 = 75 m
080 = 80 m
100 = 100 m

003 = 300 m
005 = 500 m
010 = 1000 m

External code Ø

03 = 3 mm
04 = 4 mm
06 = 6 mm
08 = 8 mm
.../...
56 mm = 1/4"
.../...

10 = 10 mm

04 = 4 mm
06 = 6 mm
08 = 8 mm
10 = 10 mm

04 = 4 mm
06 = 6 mm

Colour

00 = ○ Clear
01 = ● black
02 = ● green
03 = ● red
04 = ● blue
05 = ● yellow
06 = ● grey
07 = ● orange
08 = ○ crystal clear
09 = ● purple
10 = ○ white
12 = ● crystal green
13 = ● crystal red
14 = ● crystal blue
17 = ● crystal orange

Special inner Ø

18 = 1.8 mm
27 = 2.7 mm
33 = 3.3 mm
75 = 7.5 mm
95 = 9.5 mm

Multitubing

M02 = 2 tubes
M04 = 4 tubes
M07 = 7 tubes
M12 = 12 tubes