

PRODUCTS OFFER

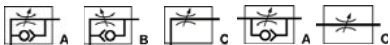
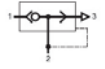
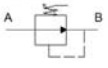
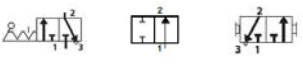
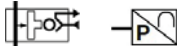
Function fittings are intended for **pneumatic applications involving compressed air**.



LEGRIS FUNCTION FITTINGS	Materials (body/seal)	Maximum operating pressure (bar)	Temperature		PAGE
			Min.	Max.	
Blocking fittings 	Nickel-plated brass/NBR ✓	10	-20°C	+80°C	52
Soft start fittings 	Nickel-plated brass/NBR technical polymer	10	-15°C	+60°C	54
Non-return valves 	Technical polymer/NBR ✓	10	0°C	+70°C	56
	Stainless steel/FKM	40	-20°C	+180°C	
Adjustable non-return valves 	Chemically nickel-plated brass/NBR	12	-20°C	+80°C	60
Piloted non-return valves 	Nickel-plated brass/NBR technical polymer	10	-5°C	+60°C	62
Flow control regulators 	Technical polymer/NBR	10	0°C	+70°C	64
	Treated aluminium, nickel-plated brass/NBR	10	-25°C	+70°C	
	316L stainless steel/FKM	40	-15°C	+120°C	
Quick-release valves 	Nickel-plated brass or aluminium or stainless steel/Polyurethane or FKM	10	-20°C	+120°C	82
Pressure regulator fittings 	Nickel-plated brass/NBR technical polymer	16	-10°C	+70°C	84
Pressure reducer fittings 	Brass	15	-10°C	+80°C	86
Snap fittings 	Nickel-plated brass/NBR technical polymer	10	-20°C	+80°C	88
Manually operated fittings and valves 	Nickel-plated brass, aluminium/NBR	16	-5°C	+70°C	90
Sensor fittings with detection 	Technical polymer, treated brass/NBR	8	-15°C	+60°C	92
Silencers 	Polymer, sintered bronze, nickel-plated brass, 316L stainless steel	12	-20°C	+180°C	94

HOW TO CHOOSE YOUR FUNCTION FITTING

What functions do you require for your pneumatic system?

OBJECTIVES	WHAT WOULD YOU LIKE TO DO?	LEGRIS FUNCTION FITTINGS	SYMBOLS
PROTECT YOUR INSTALLATION	Ensure that the load is maintained during an emergency stop	Blocking fittings	
	Allow pressure to build up gradually when restarting the installation, thereby protecting it from shocks.	Soft start fittings	
	Convey compressed air in one direction only, blocking its return in the event of a cut-off	Non-return valves	
	Performs the same function as a non-return valve while allowing the opening pressure to be adjusted.	Adjustable non-return valves	
	Three functions in one product: block, regulate and purge compressed air	Piloted non-return valves	
IMPROVE YOUR INSTALLATION	Regulate air flow, thanks to an adjustable pass diameter, to control the speed of a cylinder rod.	Flow control regulators	
	Allow exhaust air to pass unrestricted into the atmosphere in order to accelerate the rod of a cylinder.	Quick-release valves	
	Regulate pressure in applications requiring control of cylinder force	Pressure regulator fittings	
	Reduce the pressure consumed in part of the machine in order to save energy	Pressure reducer fittings	
	Partially isolate a circuit without draining the entire system	Snap fittings	
	Purge a pneumatic circuit	Manually operated couplers and fittings	
	Issue a pneumatic or electrical signal as soon as the pressure falls below its control threshold.	Sensor fittings with detection	
	Reducing the noise level of the pneumatic network	Silencers	

Do you have any compliance requirements?

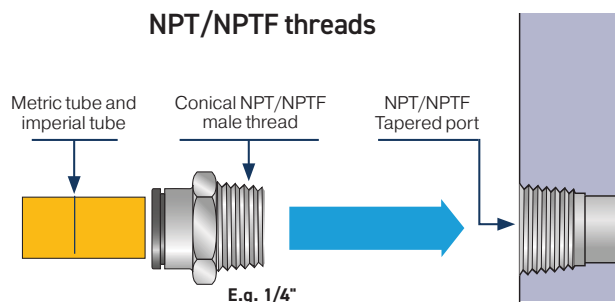
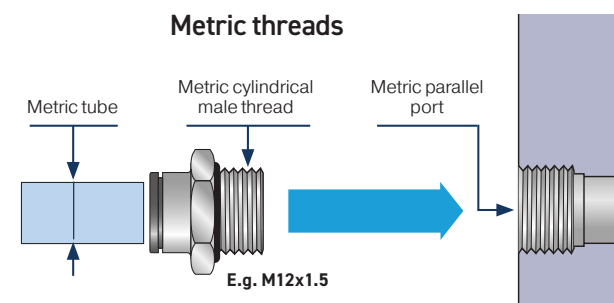
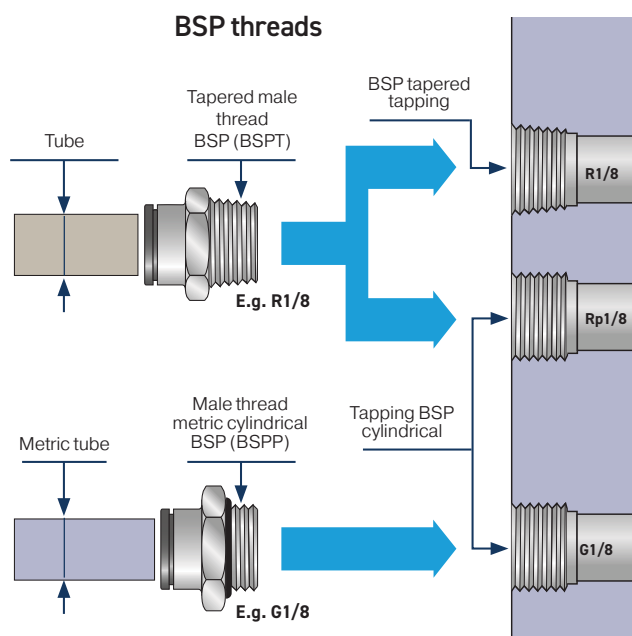
- All our products comply with RoHS and REACH standards.
- Legris function fittings used on the safety control line, known as “Safety” fittings, comply with Machinery Directive 2006/42/EC and ISO 13849-1 and are identified by the following logo: 
- All our processes comply with ISO 9001 and ISO 14001 standards.

For a complete list of our certificates, [please click here](#).



HOW TO CHOOSE YOUR FUNCTION FITTING

How should you install your fitting?



Part number identification

Part numbers are chosen according to a mnemonic code.

Each fitting is identified by:

- the item type according to function (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.

7010

06

10

Nominal diameter

= outer diameter of the tube

Metric	Code
4 mm	04
6 mm	06
.../...	
12 mm	12

Thread code

Thread	Code
M5x0.8	19
1/8"	10
1/4"	13
3/8"	17
1/2"	21

Function of the article

Designation	Item code	Designation	Item code	Designation	Item code
Blocking fittings	 788x Series	Pressure regulator fittings	 730x Series	Flow regulators	
Soft start fittings	 786x Series 787x Series	Pressure reducers	 DRVx Series	• polymer countersunk screw	 701x Series
Non-return valves		Snap fittings	 792x Series 796x Series	• polymer external screw	 706x Series
• polymer	 798x Series 799x Series	Manually operated fittings and valves	 780x Series 0669 Series	• miniature polymer external screw	 763x, 764x, and 766x series
• adjustable	 793x Series	Sensor fittings for detection	 781x Series 782x Series	• polymer compact and swivelling	 704x Series; 764x Series
• stainless steel	 489x Series	Silencers	 067x Series 068x Series	• polymer external screw	 777x Series
• piloted	 789x Series			• Nickel-plated brass countersunk screw	 713x, 714x and 716x Series
Quick-exhaust valves	 7899 Series 797x Series			• Nickel-plated brass compact with external screw	 710x Series; 711x Series; 768x Series
				• Nickel-plated brass miniature with external screw	 718x Series; 719x Series
				• brass and stainless steel with external screw or in-line	 781x Series; 782
				• aluminium in line	 717x Series