

PRODUCTS OFFER

LEGRIS VALVES		Connection	Fluids	Materials (body/seal)	Maximum operating pressure (bar)	Temperature		PAGE
						Min.	Max.	
Ball valves LONG-HANDLED	Valves 	G 1/8 to G1	 Compressed air and neutral gases Industrial water and treated water Oils and lubricants	Nickel-plated brass/NBR	40	-20°C	+80°C	226
	High-temperature valves 	G1/4 to G2 G1/4 to G1 Rp1/4 to Rp2	 Compressed air Industrial water and treated water	Nickel-plated brass/PTFE or 316L stainless steel/PTFE	140	-20°C	+170°C	232
Ball valves SHORT HANDLE	POLYMERS  	Mini valves G1/8 to G1/2	 Compressed air and neutral gases	Nickel-plated brass/NBR engineering polymer	10	-20°C	+80°C	234
		LIQUIfit® valves NPTF1/4 to NPTF3/8	 Industrial water and treated water	Polypropylene/EPDM	10	-10°C	+95°C	235
	METALLIC   	Brass valves G1/4 to G3/4	 Compressed air and neutral gases	Raw stamped brass	12	-20°C	+80°C	239
		Treated brass valves G1/4 to G1	 Compressed air and neutral gases, industrial water	Nickel-plated brass, NBR Nickel-plated brass/PTFE	30	-20 °C	+90°C	238
		Stainless steel valves G1/4 to G1/2	 Compressed air and neutral gases Industrial water Oils and lubricants	303 stainless steel/PTFE	20	-20°C	+120°C	239
	Ball valves SPECIFIC  	Combustible gas valves (DVGW) G1/4 to G2	 Combustible gases	Nickel-plated brass/PTFE and FKM	40	-40°C	+170°C	242
		Oxygen Valves Olive from 10 to 22 mm	 Technical gases	Nickel-plated brass/EPDM	12	-20°C	+80°C	244
Needle valves VALVES 	Needle valves G1/8 to G1/2 M10x1 to M16x1.5	 Compressed air Industrial water	Nickel-plated brass or 316L stainless steel/PTFE	400	-20°C	+180°C	246	
Axial VALVES 	Axial valves Rp3/8 to Rp2	 Compressed air and neutral gases Industrial water Oils and lubricants	Nickel-plated brass/FKM or EPDM	10	-20°C	+150°C	248	

HOW TO CHOOSE YOUR LEGRIS VALVE

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.
- The range of specific gas valves (DVGW) complies with the DIN EN 331 standard.
- All our processes comply with ISO 9001 and ISO 14001 standards.

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

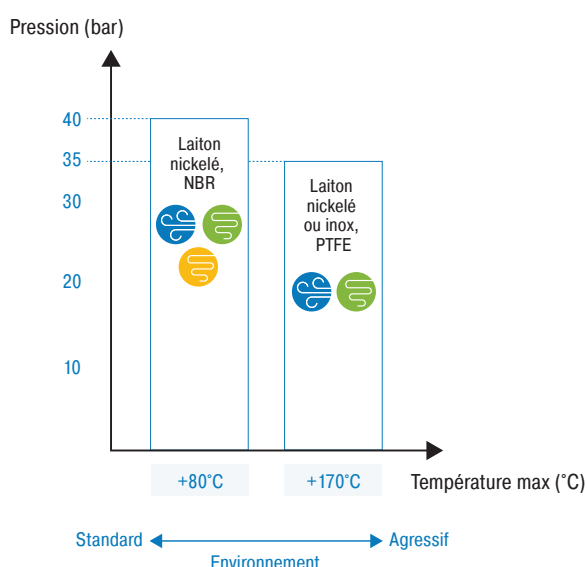


Under what conditions do you use your valve?

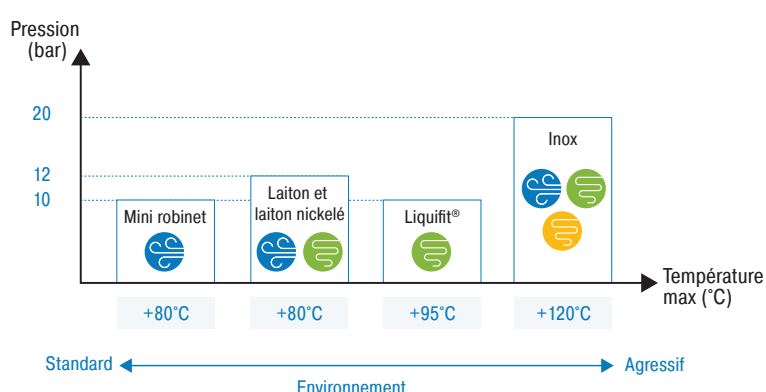
Legris valve ranges are designed to withstand a variety of environments.

Below you will find recommended products for conveying air, water and gases according to specific usage constraints.

Long handle



Short handle



VALVE TECHNOLOGIES AND THEIR SPECIAL FEATURES

Ball valve

This valve uses a ball with a hole in it that pivots to open or close the fluid pass, providing a quick and reliable seal.



Valve open position



Valve closed position

Legris valves are equipped with **wear compensation seals on the cap** to ensure a long-lasting seal.



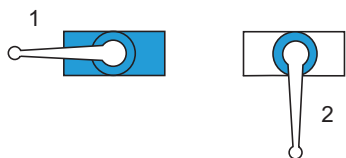
The nitrile seals, assembled under tension, exert constant pressure on the wear compensation o-rings to ensure a tight seal.

Seals can always be dismantled and reassembled using seal kits sold as spare parts.

Vocabulary related to “2/2, 3/2 and 3/3 way” valves

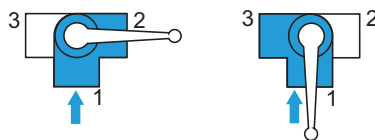
2/2: 2 outputs/2 handle positions

(opening/closing)

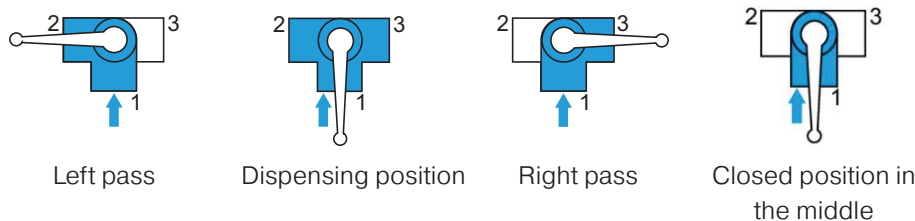


3/2: 3 outputs/2 handle positions

(left pass, right pass, no closed position)



3/3: 3 outputs/3 handle positions



Needle valve

This valve precisely controls the flow rate thanks to a conical rod (needle) that inserts into a seat, allowing for fine and gradual adjustment.



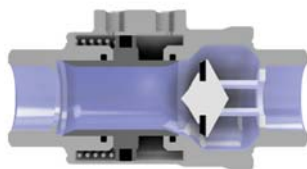
Valve open position



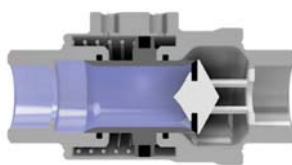
Valve closed position

Axial valve

This valve regulates flow by moving a piston along the axis of the pass, ensuring fluid control and low pressure drop.



Axial valve position open



Axial valve position closed

Part number identification

Each valve is identified by:

- item type (4 digits);
- the nominal diameter;
- the thread code. If the product does not have a thread, the code used is 00.

0402	04	10
Item type	Nominal diameter	Thread code
Example: 040x 050x 79xx // 42xx BVGx	04 = 4 mm 05 = 6 mm ... 40 = 40 mm	10 = 1/8" 13 = 1/4" ... 48 = 2"