LEGRIS PILOT-OPERATED CHECK VALVES



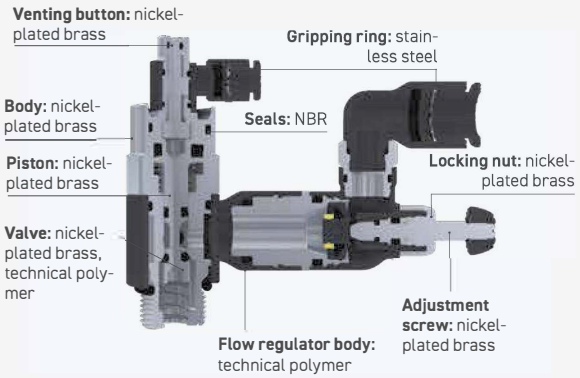
Legris pilot-operated non-return fittings are a simple, effective and economical solution for customers seeking to control the protection of their installations. This 3-in-1 version combines control, flow regulation and purging.

Technical specifications

- **Fluids:** compressed air
- **Operating pressure:** 1 to 10 bar
- **Operating temperature:** -5°C to +60°C
- **Tube diameter:** 6 to 12 mm
- **Connection:** G1/8 to G1/2 (BSPP)
- **Regulations:** RoHS, REACh, PED

Performance depends on the fluid, material and tube used.

Component materials



Benefits

- **Time savings during assembly** thanks to three functions integrated into a single-piece product: pilot-operated non-return valve, flow regulator, manual exhaust valve.

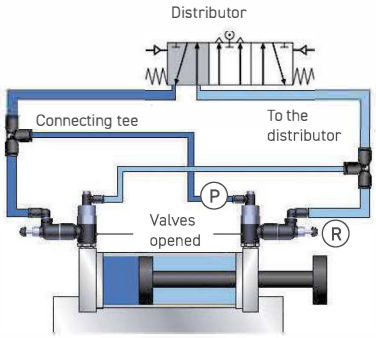
Recommended applications



3-in-1 fitting to optimise and secure cylinder performance

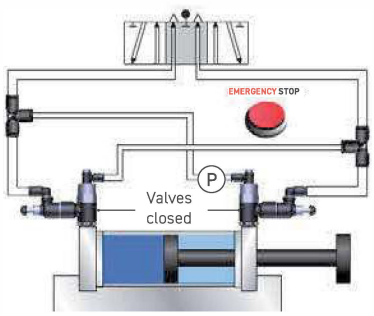
Operating principle

Normal operation



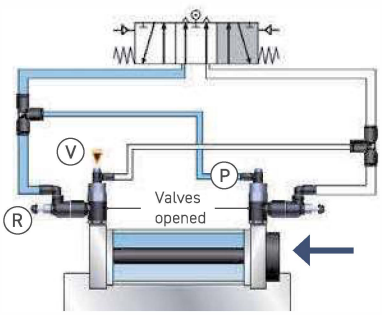
Pilot signal (P)
Cylinder speed control (R)

Emergency shutdown or pressure drop



Pilot pressure drop (P) = cylinder rod blocked

Venting operation



Venting (V) returns the cylinder rod to the start position, emptying the pressure chamber through the flow regulator (R) and the pilot line (P)

User guide

Model		Pilot and unpilot threshold				
		2 bar	4 bar	6 bar	8 bar	10 bar
G1/8	Pilot pressure	1.2	1.72	2.44	2.96	3.56
	Depilot Pressure	0.56	0.96	1.12	1.76	2.12
G1/4	Pilot pressure	0.92	1.52	2.12	2.68	3.28
	Depilot Pressure	0.64	1.16	1.68	2.16	2.64
G3/8	Pilot pressure	1.12	1.84	2.56	3.32	4.08
	Depilot Pressure	0.64	1.04	1.44	1.84	2.36
G1/2	Pilot pressure	1.04	1.60	2.12	2.76	3.88
	Depilot Pressure	0.76	1.28	1.76	2.20	2.72

	7894 06 10	7894 06 13	7894 08 10	7894 08 13	7894 08 17	7894 10 17	7894 10 21	7894 12 21
Maximum flow rate at 6 bar [Nl/min]								
Adjustment direction	250	475	240	585	875	940	1535	1560
Return direction	365	620	355	815	1085	1205	1860	1940