

# **Check Valve**

piloted, with swivel joint and sealing ring Type OL-...

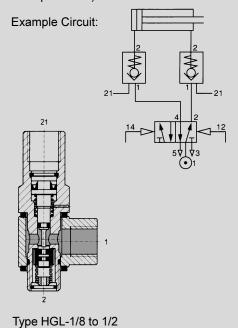
Type HGL-... HGL-...-NPT



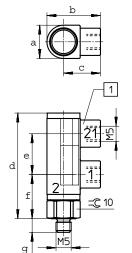
Check valves block the air flow in one direction and allow air to flow freely in the other direction.

These valves have a pilot connection which can open the valve in the blocked direction, when a pilot signal is applied.

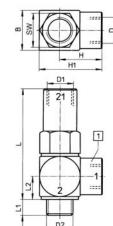
These piloted check valves can be used to control cylinder movement, (refer to the example below).



# Type HGL-M5



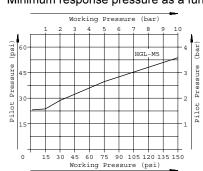
# Type HGL-1/8 to 1/2

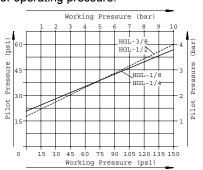


- HGL-M5 Dimensions
- 0.43 in / 11 mm 0.70 in / 17.7 mm
- 0.48 in / 12.2 mm С 1.36 in / 34.6 mm
- 0.53 in / 13.5 mm е
- 0.57 in / 14.6 mm
- 0.18 in / 4.5 mm
- 1 Rotatable 360° ⇒ = Wrench size (mm)

Туре	B in / mm		D1 thread		D2 thread	H in / mm		H1 in / mm
HGL-1/8	0.63 / 16.0	10-	32 UNF / M5	1/	8 NPT / G 1/8	0.61 / 15.5		0.93 / 23.5
HGL-1/4	0.79 / 20.0	1/8	NPT / G 1/8	1/	4 NPT / G 1/4	0.83 / 21.0		1.22 / 31.0
HGL-3/8	0.98 / 25.0	1/8	NPT / G 1/8	3/	8 NPT / G 3/8	0.94 / 24.0		1.44 / 36.5
HGL-1/2	1.18 / 30.0	1/8 NPT / G 1/8		1/2 NPT / G 1/2		1.14 / 29.0		1.73 / 44.0
Туре	L in / mm		L1 in / mm		L2 in / mm		=© mm	
HGL-1/8	1.81 / 46.0		0.22 / 5.5		0.35 / 9.0		14	
HGL-1/4	2.17 / 55.0		0.31 / 8.0		0.46 / 11.7		17	
HGL-3/8	2.34 / 59.	2.34 / 59.5			0.55 / 14.0		22	
HGL-1/2	3.09 / 78.5		0.47 / 12.0		0.66 / 16.7		27	

# Minimum response pressure as a function of operating pressure.





	5 111 (7			0.40==.1.01.4/0.1/0=	0.4070.1101.444.1107	0.4070.1.01.040.107	0.4000 HOL 4/0 NDT	
Order Number	Part No./Type	NPT	_	34877 HGL-1/8-NPT	34878 HGL-1/4-NPT	34879 HGL-3/8-NPT	34880 HGL-1/2-NPT	
		ISO	161779 HGL-M5	12938 HGL-1/8	12939 HGL-1/4	12940 HGL-3/8	12941 HGL-1/2	
Medium		Filtered, lubricated or unlubricated compressed air						
Design		Non-Return Valve with rotatable body						
Mounting		Conduit Mounting (thread)						
Connection			M5	G 1/8	G 1/4	G 3/8	G 1/2	
Orifice Size		0.09 in / 2.4 mm	0.14 in / 3.5 mm	0.17 in / 4.2 mm	0.26 in / 6.7 mm	0.34 in / 8.6 mm		
Standard Nominal Flow	w Rate	0.11C <sub>V</sub> / 110 l/min	0.26C <sub>V</sub> / 260 l/min	0.54C <sub>V</sub> / 540 l/min	0.90C <sub>V</sub> / 900 l/min	1.54C <sub>V</sub> / 1540 l/min		
Response Time (90 ps	i / 6 bar)	_	On: 5 ms, Off: 9 ms	On: 7 ms, Off: 13 ms	On: 8 ms, Off: 14 ms	On: 8 ms, Off: 17 ms		
Operating Pressure Range			7.5 to 150 psi /	6 to 150 psi /	4.5 to 150 psi /	3 to 150 psi /	3 to 150 psi /	
			0.5 to 10 bar	0.4 to 10 bar	0.3 to 10 bar	0.2 to 10 bar	0.2 to 10 bar	
Temperature Range		-4 to 176°F / -20 to +80°C (Type HGL-M5: 14 to 140°F / -10 to +60°C)						
Materials Housing: Brass; Seals: Buna N								
Weight			0.445 lbs /	0.053 lbs /	0.095 lbs /	0.172 lbs /	0.326 lbs /	
			0.020 kg	0.024 kg	0.043 kg	0.078 kg	0.148 kg	

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