

Balanced spool electro-pneumatic microvalves - K Series

Connections: 1/8"

K SERIES



- Balanced spool valves with dynamic sealing
- Fast switching times
- Small footprint
- Anodised aluminium body and bases
- Electro-pneumatically operated with internal piloting
- Possibility of series assembly

TECHNICAL FEATURES

Function	5/2		
Operation	Electropneumatic: Internal servopiloting - Monostable pneumatic, bistable spring return		
Materials	Body, base and cover in anodised aluminium alloy - Internal components in steel - aluminium - brass NBR gaskets		
Note on materials	Compliant with REACH (1907/2006/EC and subsequent amendments)		
Connections	1/8" Gas		
Threads	Cylindrical gases (BSPP)		
Operating temperature	0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)		
Operating pressure	1.5 ÷ 7 bar		
Pilot actuation pressure	1.5 bar		
Air flow rate	1/8"		
Nominal diameter	4mm		
Supply pressure	5 bar	320 NI/min	
(with ΔP 1 bar)	6 bar	350 NI/min	
	7 bar	400 NI/min	
	See flow diagram page 3.1.05.6		
Fluid	Filtered air, lubrication-free, compliant with ISO 8573-1:2010 [7:4:4]		
Lubrication	Not required (if required in the pneumatic circuit, it must be continuous)		

COILS ELECTRICAL CHARACTERISTICS

Coil type	"ES" Type		"F" Type	
	Operating voltage	12, 24 Vdc	24, 48, 110, 220 Vac	24 Vdc
Power (max.)	2.5 W	3.6 VA	2.5 W	3.0 VA
Voltage tolerance	± 10%		± 10%	
Protection class	IP65		IP65	
Other features	See from p. 3.1.05.10		See from p. 3.1.05.10	