



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 24, 110, 220 Vac
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