

Balanced spool pneumatic valves - K83 Series

Connections: 1/8" - 1/4"

K SERIES



Balanced spool valves with static sealing

Fast switching times

Small footprint

Anodised aluminium body and bases

Pneumatically operated with external piloting

Possibility of series assembly

ATEX 2014/34/EU certificates available

TECHNICAL FEATURES

Function	5/2 - 5/3	
Operation	Pneumatic: External piloting - Monostable mechanical and pneumatic, bistable spring return, three positions	
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" - 1/4" Gas	
Threads	Cylindrical gases (BSPP)	
Operating temperature	0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)	
Operating pressure	0 ÷ 10 bar	
Pilot actuation pressure	2 bar	
Air flow rate	1/8"	1/4"
Nominal diameter	5mm 7.5mm	
Supply pressure (with ΔP 1 bar)	5 bar	500 NI/min 1000 NI/min
	6 bar	550 NI/min 1100 NI/min
	7 bar	600 NI/min 1200 NI/min
	See flow diagram page 3.1.05.13	
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)	

ATEX CERTIFICATION

Valve marking	CE II 2G Ex h IIC T6 Gb (Zone 1 and Zone 2)
	CE II 2D Ex h IIC 85°C Db (Zone 21 and Zone 22)
Operating pressure in ATEX environment	0.5 ÷ 10 bar
ATEX ambient temperature	-20°C ≤ Ta ≤ +60°C
CE marking	In compliance with Directive 2014/34/EU (see declaration of conformity)

