

PNEUMATIC VALVES

BALANCED SPOOL VALVES SERIES K83



The K83 series valves with balanced spool have extremely compact external dimensions and are available with 1/8" G and 1/4" G connections and pneumatic or electrical operation.

The body and the spool are made of anodized chemical nickel plated aluminium.

Mounting is possible on manifold or in line and on panel through the holes in valve body, in any position.

On request, available with ATEX certification



TECHNICAL DATA

FLOW RATES

SIZE	FLOW RATE NI/ Min.				
1/8"	400	450	500	550	600
1/4"	800	900	1000	1100	1200
Pressure bar	3	4	5	6	7

CONSTRUCTIVE FEATURES

Port	1/8" - 1/4"
Ways	5/2 - 5/3 - 2x3/2
Functions	Pneumatic-Solenoid
Body	Anodized aluminium
Spool	Chemical nickel plated aluminium alloy
Seals	Nitrile rubber NBR
Internal parts	Brass
Fixing	Through holes on valve body or on manifold bases

TECHNICAL DATA

Fluid	Filtered air 50 micron
Lubrication	With or without lubrication (moist air)
Lubricant	Compatible with NBR (3°+10° E) class H

TECHNICAL FEATURES

	1/8"	1/4"
Nominal diameter (mm.)	5	7.5
Operating pressure	max. 10 bar - max. 1MPa	
Minimum pilot pressure	1÷2.5 bar - 0,1÷0,25 MPa	
Temperature range	-10°C ÷ +60°C	

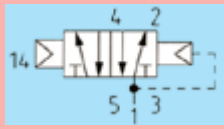
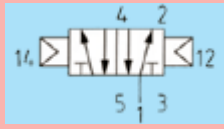
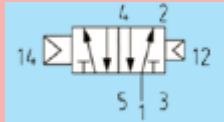
ELECTRICAL FEATURES

Power consumption	DC=3W - AC=5VA
DC voltages	12-24 V
AC voltages	24-110-230V 50-60Hz
Duty cycle	100%
Permissible voltage fluctuation	±10%
Protection	IP 65
Connector	2 positions 180°

RANGE

PNEUMATIC OPERATED



	SYMBOL	Size	Ways	Weight g	Model
SINGLE STABLE POSITION PNEUMATIC PILOT RETURN BY PNEUMATIC SPRING		1/8"	5/2		DK8516
		1/4"	5/2		DK4516
DOUBLE STABLE POSITIONS PNEUMATIC PILOT		1/8"	5/2		DK8526
		1/4"	5/2		DK4526
DOUBLE STABLE POSITIONS DIFFERENTIAL PNEUMATIC PILOT		1/8"	5/2		DK8527
		1/4"	5/2		DK4527



SOLENOID OPERATED (VERSION NAMUR)



Versione NAMUR
NAMUR version

	SYMBOL	Size	Ways	Weight g	Model
SINGLE STABLE POSITION SOLENOID PILOT RETURN BY PNEUMATIC SPRING		1/8"	5/2		EK 8511/C
		1/4"	5/2		EK 4511/C
		1/4" NAMUR	5/2		ENK 4511/C
DOUBLE STABLE POSITIONS SOLENOID PILOT		1/8"	5/2		EK 8521/C
		1/4"	5/2		EK 4521/C
		1/4" NAMUR	5/2		ENK 4521/C
DOUBLE STABLE POSITIONS DIFFERENTIAL SOLENOIDPILOT		1/8"	5/2		EK 8522/C
		1/4"	5/2		EK 4522/C
CLOSED CENTERS SOLENOID PILOT		1/8"	5/3		EK 8621/C
		1/4"	5/3		EK 4621/C
OPENCENTERS SOLENOID PILOT		1/8"	5/3		EK 8721/C
		1/4"	5/3		EK 4721/C

SUB-BASES



Nr. stations	Model	
	1/8"	1/4"



2	BCK5-82	BCK5-42
3	BCK5-83	BCK5-43
4	BCK5-84	BCK5-44
5	BCK5-85	BCK5-45
6	BCK5-86	BCK5-46
7	BCK5-87	BCK5-47
8	BCK5-88	BCK5-48

COIL - CONNECTOR



BOB C*

COIL 3W

*specify voltage



CNN 1

Connector

