

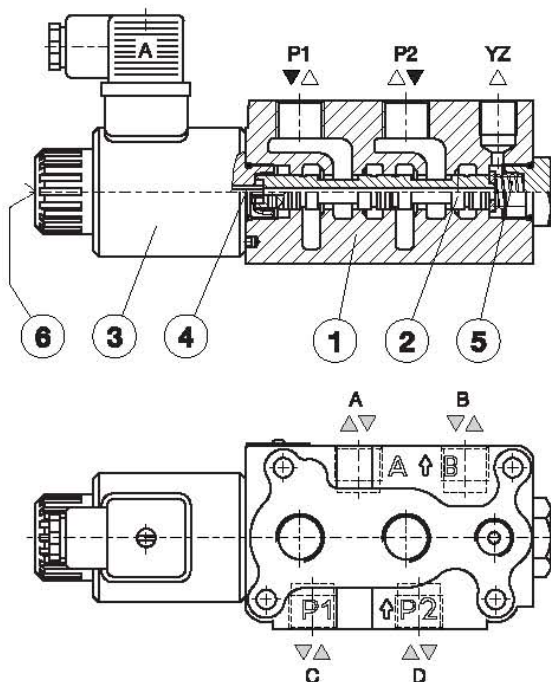
6/2-WAY DIRECTIONAL VALVES type KV

- NS 6
- to 350 bar
- to 50 l/min
- Direct operation by solenoid
- Plug-in connector for solenoids to ISO 4400
- Threaded connections to ISO 9974, ISO 1179
- Protection of solenoid IP 65 to EN 60529 / IEC 60529
- Fulfil EMC (89/336/EEC)



KV-6/2-6-S50

Description of operation



Directional valves type KV with direct solenoid operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

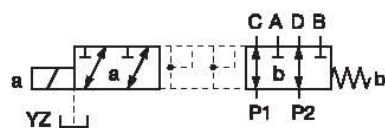
The KV type directional valves consist of a housing (1), a control spool (2), a solenoid (3) and a return spring (5).

Change-over to the operating position is done by energising the solenoid (3), whereby the solenoid plunger acts on the control spool (2) via the operating pin (4), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

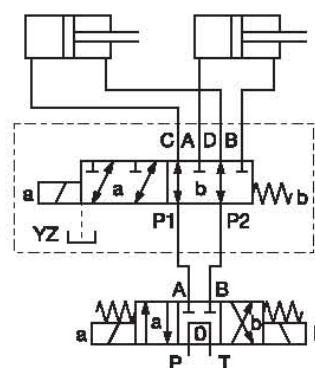
When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

The change-over can also be done manually by pressing the emergency hand operator (6).

Symbol



Mounting example



Technical data

Hydraulic

Size			6
Flow rate			l/min
			50
Operating pressure	with YZ	bar	350
	without YZ	bar	250
Oil temperature range		°C	-20 to +70
Viscosity range		mm²/s	15 to 380
Mounting position		optional	
Mass		kg	2.5
Filtration		NAS 1638	8

Electrical

Supply voltage	V	12, 24 DC
Power	W	29
(12 V DC supply voltage)	W	36
Switching frequency	1/h	15000
Ambient temperature	°C	to +50
Coil temperature	°C	to +180
Duty cycle	continuous	

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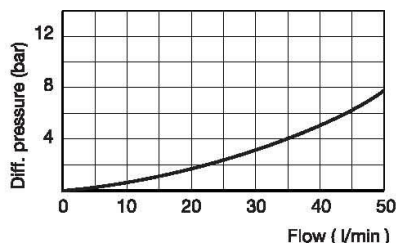
Momsreg.nr. SE 556552984801
Säte Göteborg
Bankgiro 5238-2801
Postgiro 6224-0
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Ordering code

KV-6/2-6- - - - - S50-*

Symbol
 Overlap
 Hand operator
 Supply voltage
 Connector type
 Overvoltage protection
 Threaded connections
 Drainage
 Seal type
 Special requirements to be briefly specified

Δ p-Q Performance curves
(measured at t = 50 °C and v = 32 mm²/s)



Symbol = no desig. = AB	Overlap = no desig. = P	Supply voltage direct voltage 24 V = no desig. direct voltage 12 V = 12 DC
Hand operator without hand operator = no desig. with hand operator = G	Connector type EN 175301-803 without signal lamp = no desig. EN 175301-803 with signal lamp = L EN 175301-803 without connector = K AMP junior timer without connector = M	
Threaded connections M / YZ M18x1,5 (YZ=M14x1,5) = no desig. M22x1,5 (YZ=M14x1,5) = M22 G3/8 (YZ=G1/4) = 3/8 G1/2 (YZ=G1/4) = 1/2	Overvoltage without overvoltage protection = no desig. with overvoltage protection = T	Drainage without YZ = no desig. with YZ = YZ
Seal type NBR seals for mineral oil HL, HLP to DIN 51524 = no desig. FPM seals for HETG, HEES, HEPG to VDMA 24568 and ISO15380 = E		

Dimensions (mm)

