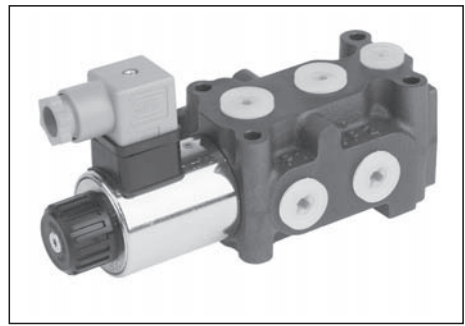


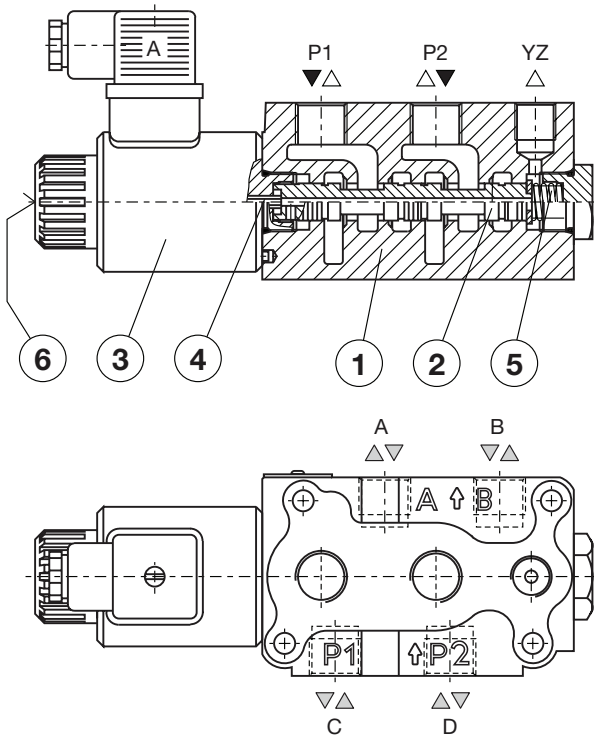
6/2-WAY DIRECTIONAL VALVES type KV

- 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 DIN EN 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.

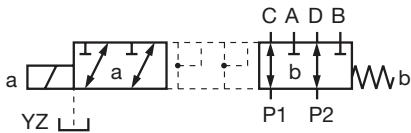
The KV type directional valves consist of a housing (1), a control spool (2), a solenoid (3) and a return spring (5).

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.

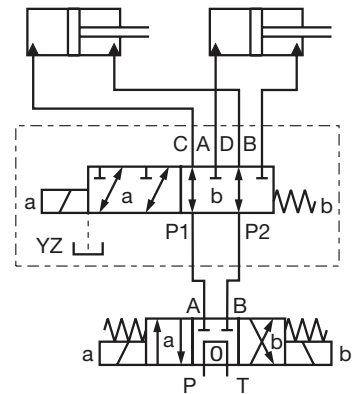
When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

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 210
Oil temperature range	°C	-20 to +70
Viscosity range	mm ² /s	15 to 380
Mounting position	optional	
Mass	kg	2.5
Filtration	NAS 1638	8

Electrical

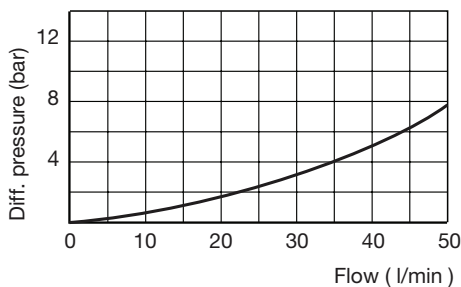
Supply voltage	V	12, 24 DC
Power	W	29
(12 V DC supply voltage)	W	36
Switching frequency	1/h	15000
Ambient temperature	°C	to +50
Coil temperature	°C	to +180
Duty cycle	continuous	

Ordering code

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

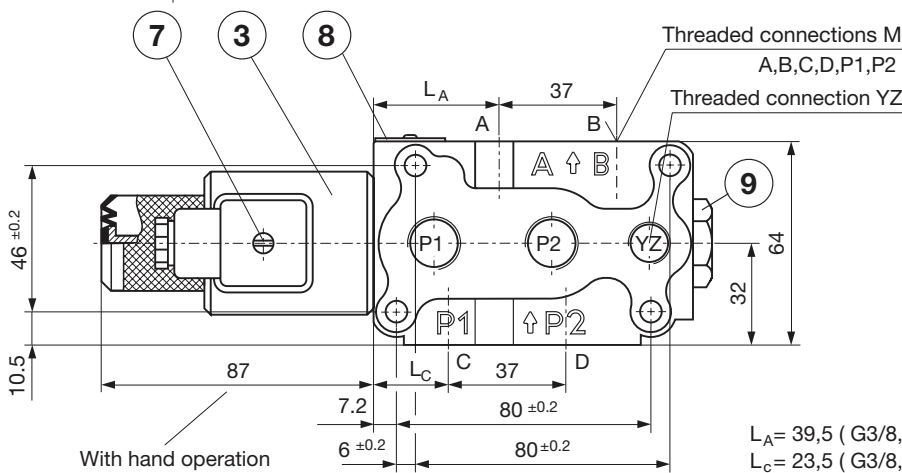
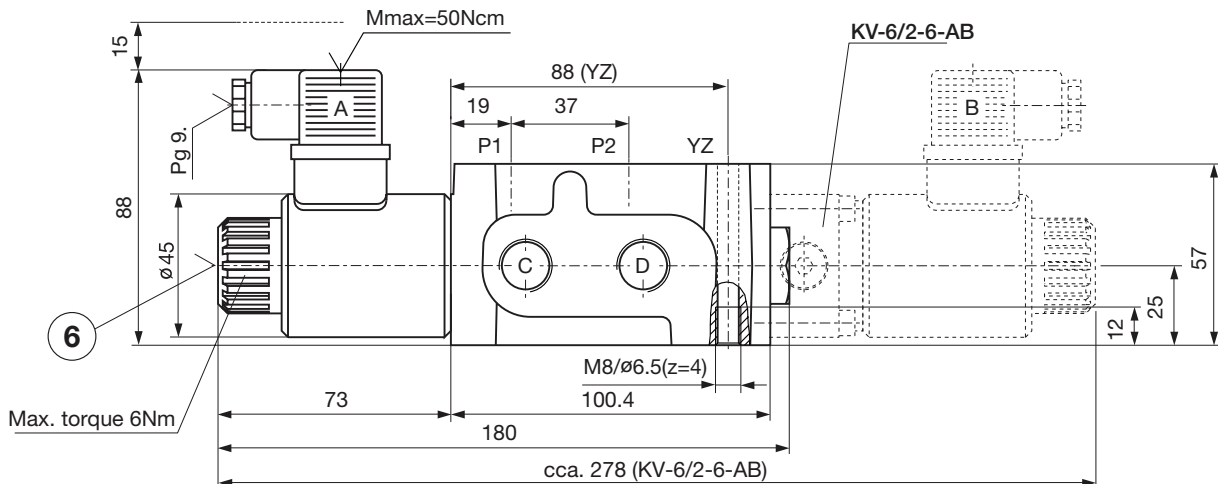
Symbol	
Overlap	
Hand operator	
Supply voltage	
Threaded connections	
Drainage	
Plug-in connector	
Seal type	
Special requirements to be briefly specified	

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



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

Dimensions (mm)



- 3. Solenoid "a" MR-045
- 6. Emergency hand operator
- 7. Plug in connector "a" grey
- 8. Nameplate
- 9. Valve cap

$L_A = 39,5$ (G3/8, M18x1,5) / $37,5$ (G1/2 M22x1,5)
 $L_C = 23,5$ (G3/8, M18x1,5) / $25,5$ (G1/2 M22x1,5)