



HYDNET^{ab}

Benämning

Väljarventil 6/2 Typ KV
KV-6/2-10-**-VDC-G**-S40

Datablad

DA02069

Rev.

-

Datum

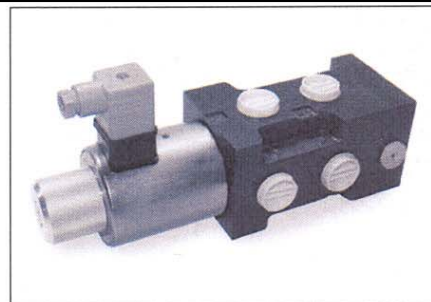
2009-03-25

Sida/Sidor

1/2

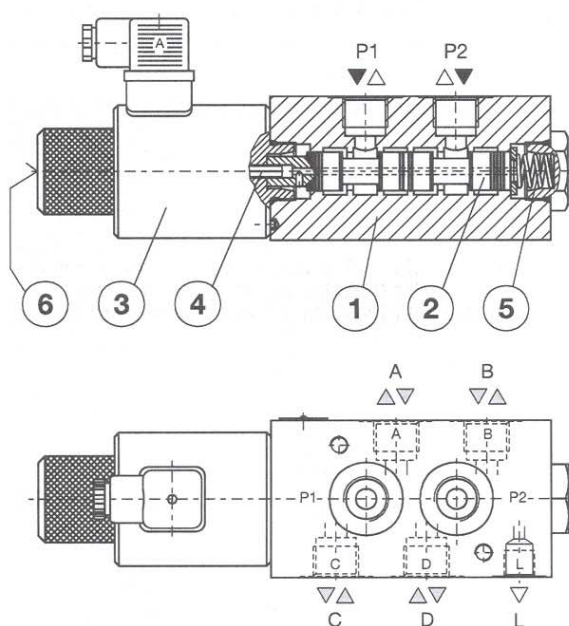
6/2-WAY DIRECTIONAL VALVES type KV

- NS 10
- to 350 bar
- to 120 l/min
- Direct operation by solenoid
- Plug-in connector for solenoids to ISO 4400
- Threaded connections to ISO 9974, ISO 1179
- Protection of solenoid IP65 to EN 50529 / IEC 60529



KV-6/2-10

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.

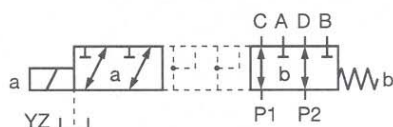
The KV type directional valves consist of a housing (1), a control spool (2), a solenoid (3) and a return spring (5).

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.

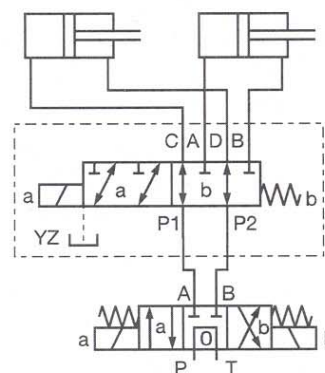
When the solenoid (3) is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2.

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

Symbol



Mounting example



Technical data

Hydraulic

Size		10
Flow rate	l/min	120
Operating pressure	with YZ	bar 350
	without YZ	bar 250
Oil temperature range	°C	-20 to +70
Viscosity range	mm ² /s	15 to 380
Mounting position	optional	
Mass	kg	5,5
Filtration	NAS 1638	8

Electrical

Supply voltage	V	12, 24 DC
Power	W	45
Switching frequency	1/h	15000
Ambient temperature	°C	to +50
Coil temperature	°C	to +180
Duty cycle	continuous	

Stockholm

Turebergsvägen 5
SE-191 47 Sollentuna
Tel. +46 (0)8-59 470 470
Fax +46 (0)8-59 470 479
Försäljning

Göteborg

EA Rosengrens gata 29
SE-421 31 V:a Frölunda
Tel. +46 (0)31-499 490
Fax +46 (0)31-499 499
Lager Ekonomi Försäljning

Malmö

Carlsgatan 12A
SE-211 20 Malmö
Tel. +46 (0)40-699 81 80
Fax +46 (0)40-699 81 81
Försäljning

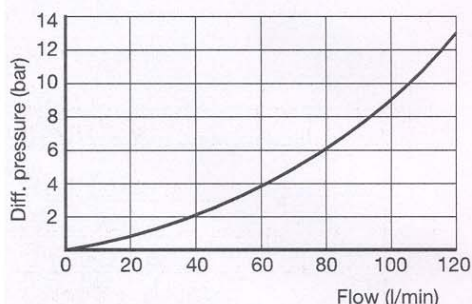
F-skatt 556552-9848

Momsreg.nr. SE 556552984801
Säte Göteborg
Bankgiro 5238-2801
Postgiro 6224-0
www.hydnet.se

Ordering code

KV-6/2-10 - - - - - *
Hand operator
Supply voltage
Connector type
Overvoltage protection
Threaded connections
Drainage
Seal type
Special requirements to be briefly specified

Δ p - Q Performance curves G3/4
(measured at t = 50 °C and ν = 32 mm²/s)



Hand operator

without hand operator = no desig.
with hand operator = G

Supply voltage

direct voltage 24 V = no desig.
direct voltage 12 V = 12DC

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

Overvoltage

without overvoltage protection = no desig.
with overvoltage protection = T

Threaded connections M / YZ

M 22x1,5 (YZ=14x1,5) = M22
M 27x2 (YZ=14x1,5) = M27
G 1/2 (YZ=G1/4) = 1/2
G 3/4 (YZ=G1/4) = 3/4

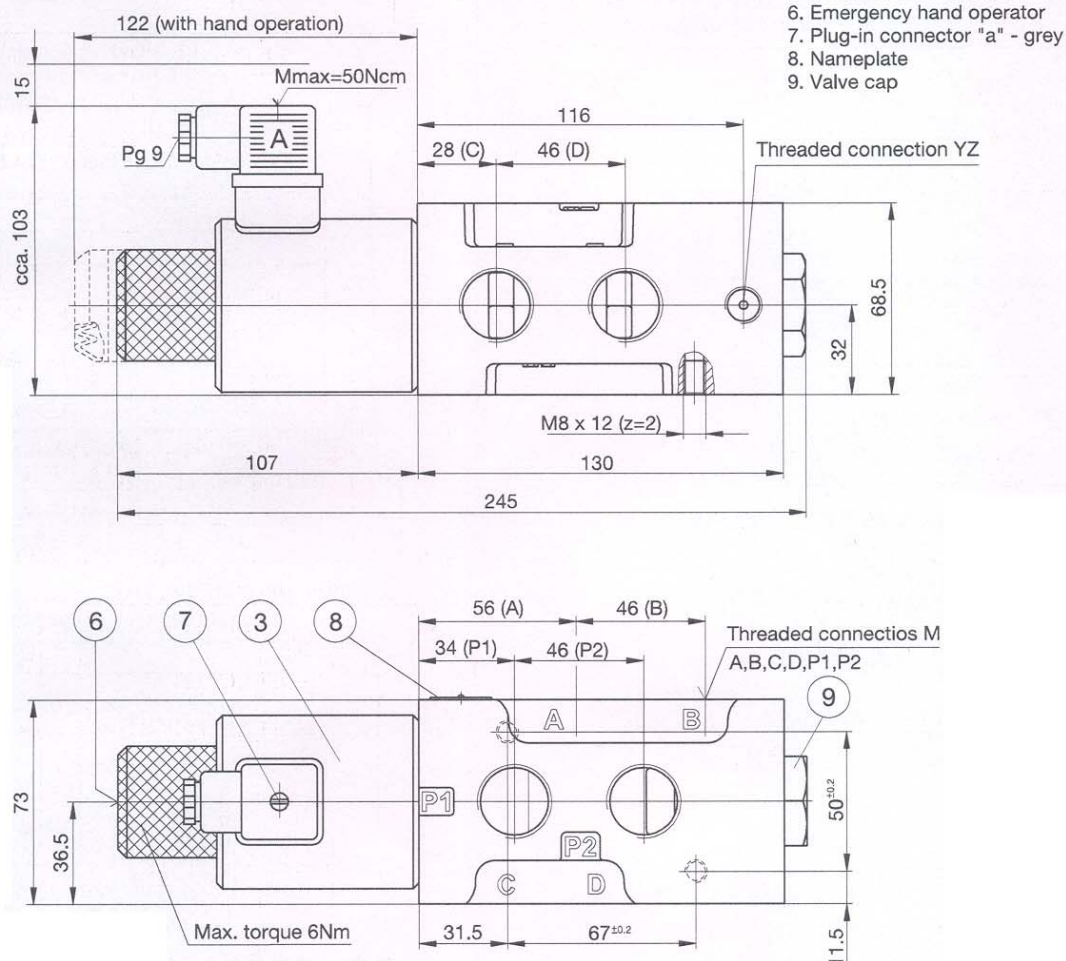
Drainage

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 = E
and ISO 15380

Dimensions (mm)



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