6/3 DIRECTIONAL CONTROL VALVE WITH PRESSURE RELIEF TO TANK OR PRESSURE ACCUMULATOR

- NG 6
- Up to 350 bar (5.076 PSI)
- Up to 50l/min (13.2 GPM)

- Threaded connections to ISO 1179 (BSPP/Gas).
- Protection of solenoid IP 65 to EN 60529 / IEC 60529.
- Fulfil EMC (89/336/EEC)
- Zinc coated surface



KV-6/3-6-1-24DC-3/8-125

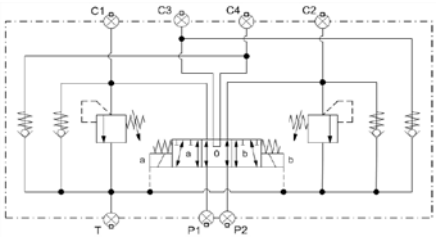
Technical data

HYDRAULIC	
size	6
flow rate	up to 50 l/min
operating pressure on ports P1, P2, C1, C2, C3, C4	up to 350 bar
operating pressure on port T	up to 250 bar
oil temperature range	from -20 °C up to +70 °C
viscosity range	from 15 mm^2/s up to 380 mm^2/s
mass	4,2 kg
filtration	19/17/14 ISO 4406:1999
port sizes	G3/8 ISO 1179
cheeck valves cracking pressure	< 1.5 bar
ELECTRICAL / ELEKTRIČNE	
supply voltage	12, 24, 48
power	29*
ambient temperature	up to 50 °C
coil temperature	up to 180 °C
duty cycle	continious

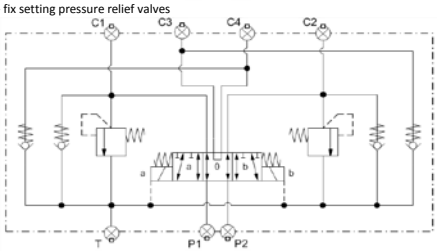
* 12V supply voltage - 36W

Hydraulic symbol

- adjustable pressure relief valves



- fix setting pressure relief valves

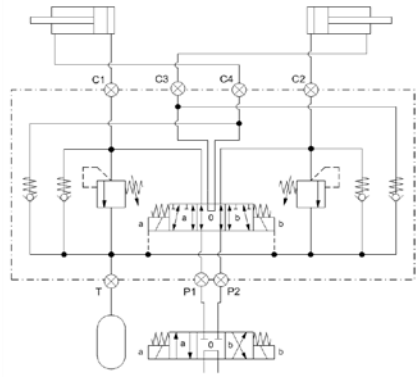


Operation

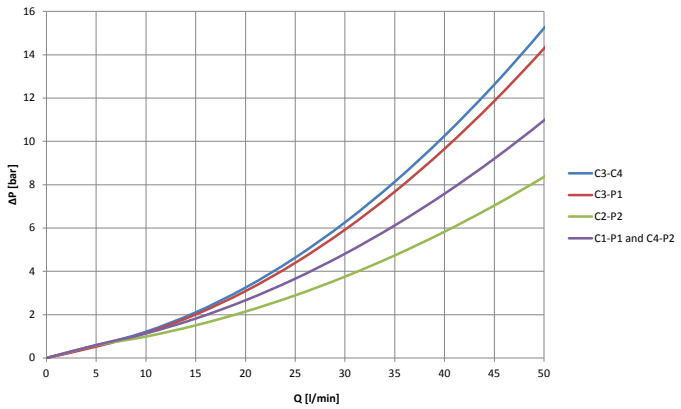
Valve was designed especially for use on variable V-blade snow plows. Each of two blades is connected to hydraulic cylinder. KV-6/3-6 allow to switch between tilting each blade individually (pos. "a" and "b") or both simultaneously (pos. "0").

To protect system against pressure peeks, two pressure relief valves are integrated. Hydraulic accumulator absorbs impact energy, and return it back to system through check valves .

Mounting example



ΔP-Q Performance curves



Model code

1		2	3	4	5		6	7	8	9		10		11		12		13
KV	-	6	/ 3	- 6	- 1	-	G	12DC	V		-	3/8	-	A210	-	150	-	*

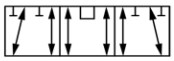
1	Valve type
KV	Direction control valve

2	Number of ports
6	6 ports

3	Number of positions
3	3 positions

4	Nominal size
6	Size 6

5	Spool type - Hydraulic symbol
1	See hydraulic symbol



6	Manual override option
no design.	Emergency manual override
G	Manual override with rubber cover
C	Lockable manual override

7	Supply voltage
12DC	12V DC
24DC	24V DC
48DC	48 V DC

8	Conector type
no design.	EN 175301-803 without signal lamp
L	EN 175301-803 with signal lamp
K	EN 175301-803 without connector
M	AMP junior timer without connector
V	Deutsch without connector

9	Overvoltage protection
no design.	Without overvoltage protection
T	With overvoltage protection

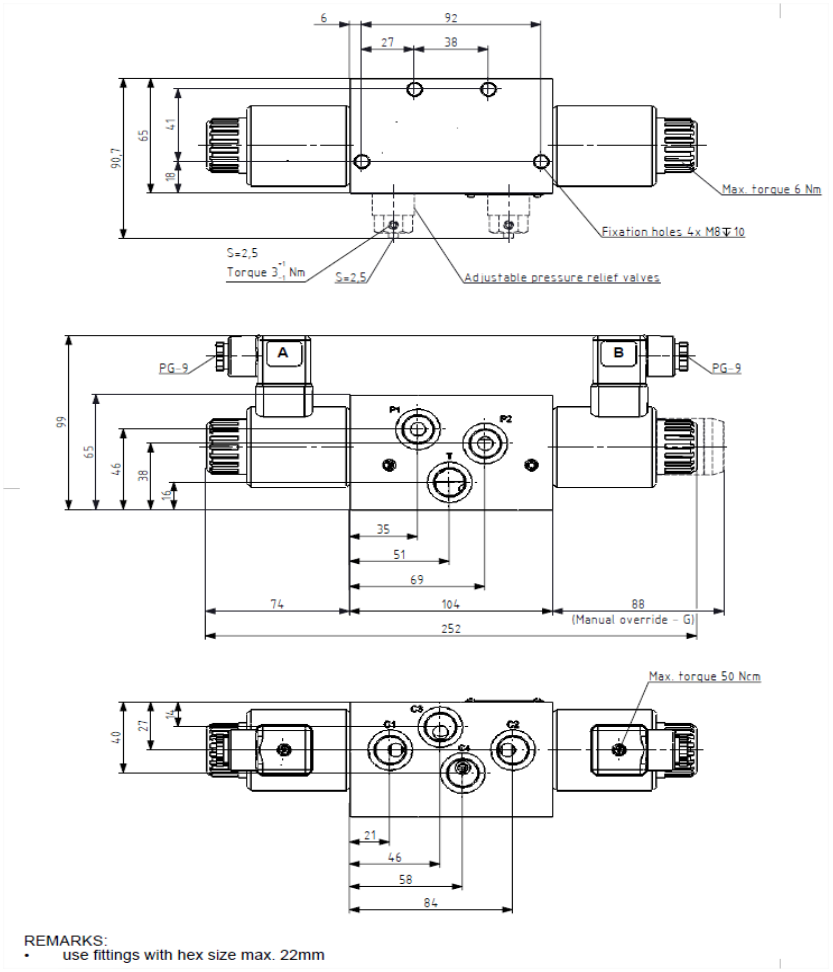
10	Threaded connections
3/8	G3/8
SAE 6	9/16-18 UNF

11	Pressure relief valves
no design.	Fix setting pressure relief valves
A70	Adjustable pressure setting in range 20-70 bar
A130	Adjustable pressure setting in range 71-130 bar
A210	Adjustable pressure setting in range 131-210 bar
A280	Adjustable pressure setting in range 211-280 bar
A350	Adjustable pressure setting in range 281-350 bar

12	Pressure setting
no design.	Cracking pressure not set
XXX	Cracking pressure setting in bar

13	Special requirements to be briefly specified

Dimensions



REMARKS:
- use fittings with hex size max. 22mm