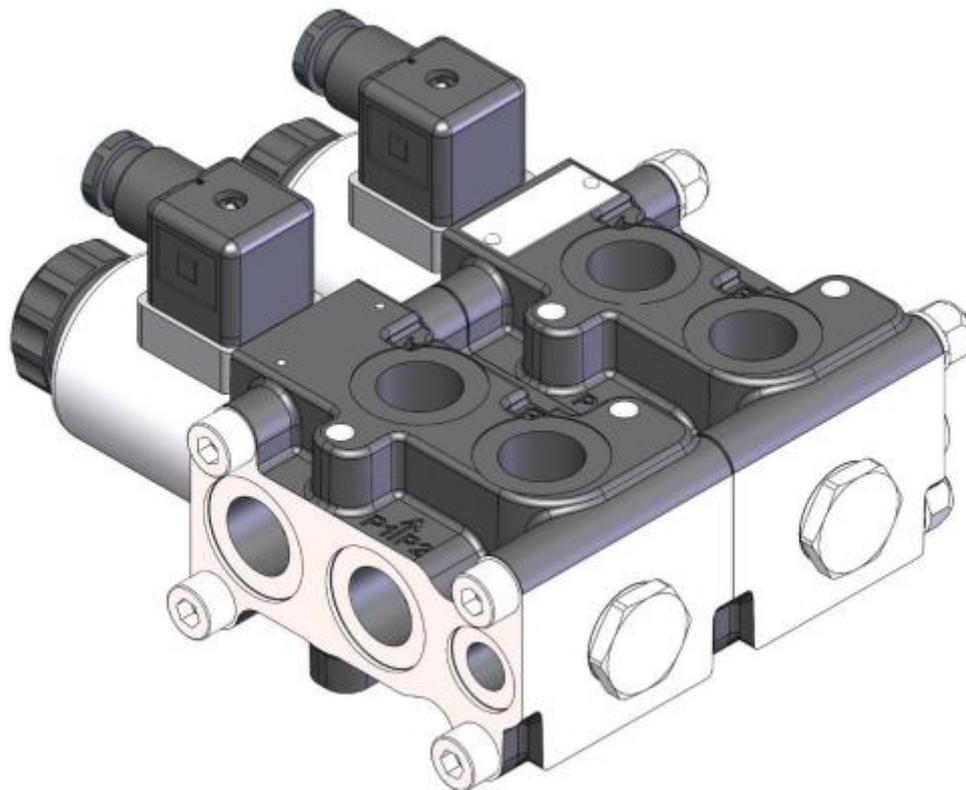


## 6-WAY ELECTRIC DIRECTIONAL VALVES

Simple compact and heavy duty designed monoblock from 1 to 4 sections with open and closed centre hydraulic systems for high flow applications:

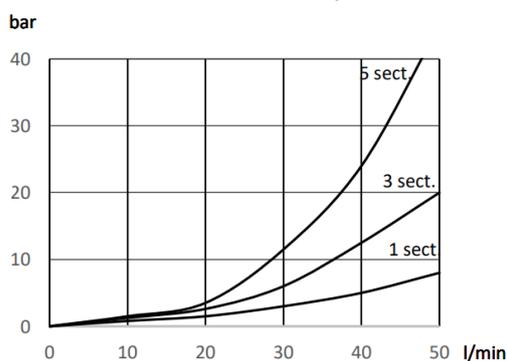
- Equipped with a main pressure relief valve and a load check valve.
- Available with parallel circuit.
- Optional power beyond port for parallel circuits.
- 25 mm diameter interchangeable spools.
- Wide range of configuration options.
- Floating and regenerative spools and kits require additional machining of the valve body.
- Actuation – manual, pneumatic, electro-pneumatic, hydraulic, electro-hydraulic, and remote with flexible cable spool control kits.



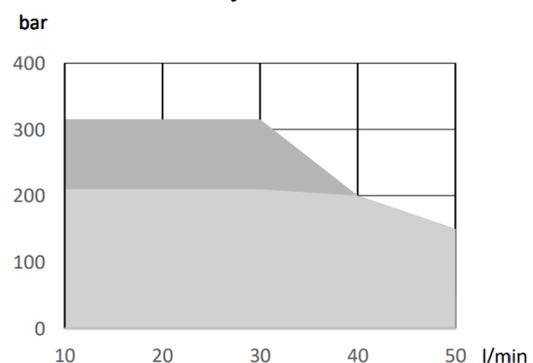
## Specifications:

No. of available sections		up to 6
Nominal flow rating		50 l/min
Operating pressure (max.)	with drain port L	315 bar
	without drain port L	210 bar
Internal leakage (max.) A(B) to T	$\Delta p = 100$ bar, fluid and valve at 40°C	15 cm <sup>3</sup> /min
Fluid		Mineral based oil
Fluid temperature	with NBR seals	from -20°C to 80°C
	with FPM (Viton) seals	from -20°C to 100°C
Viscosity	operating range	from 15 to 75 mm <sup>2</sup> /s
	min.	12 mm <sup>2</sup> /s
	max.	400 mm <sup>2</sup> /s
Max contamination level		19/17/14 - ISO 4406
Supply voltage		12/24 V
Max. allowable voltage variation		±10%
Power		31 W
Switching frequency		15.000/h
Ambient temperature		from -20°C to 50°C
Coil temperature		to 180°C
Duty cycle		Continuous
Tie rods tightening torque		15 Nm

Pressure drop



Minimum dynamic condition



## Standard threads

### Reference standard

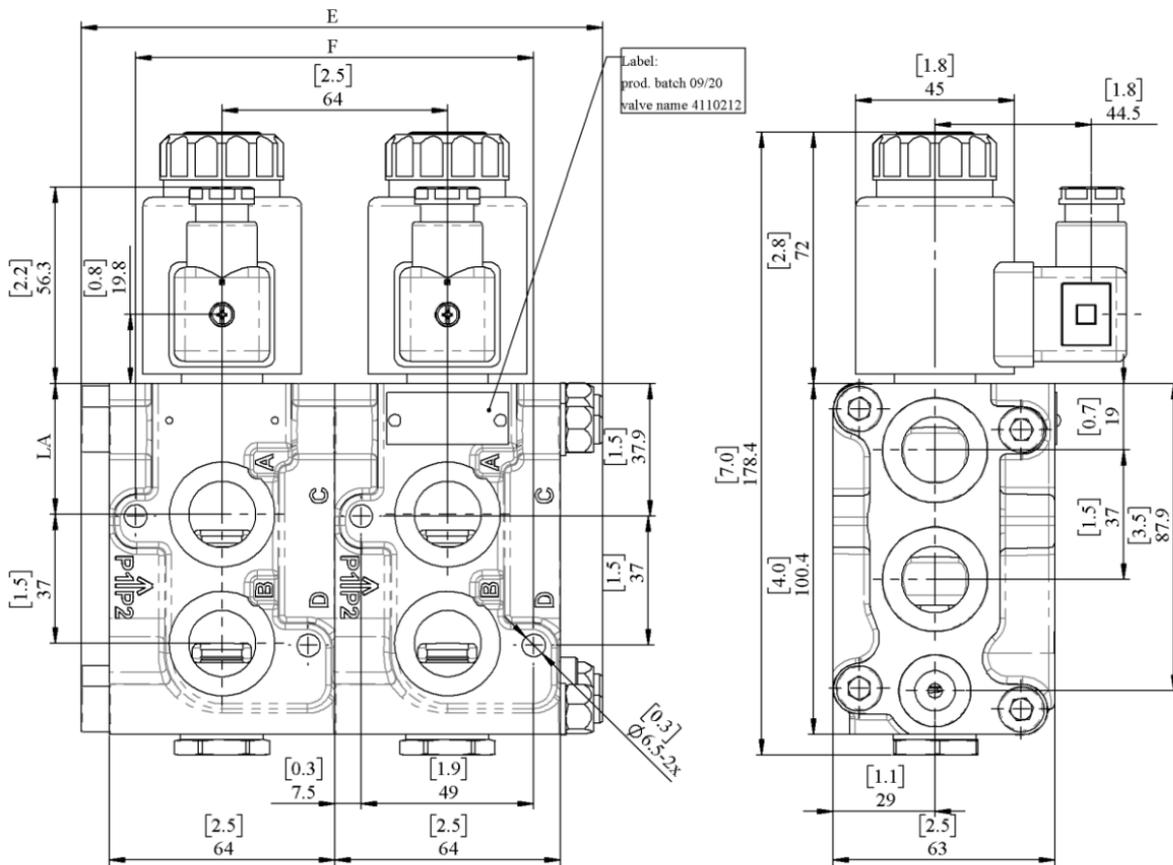
	BSP	UN-UNF	Metric	NPTF
Thread according to	ISO 228/1 BS 2779	ISO 263 ANSI B1.1 unified	ISO 262	ANSI B1.20.3
Cavity dimension according to ISO	1179	11926	9974-1	
Cavity dimension according to SAE		J1926	J2244	J476a

### Port threadings, codes and seals when stacked

Ports "codes"	BSP "G38"	BSP "G12"	UN-UNF "S8"	Metric "M"
Inlet P1, P2				
Working ports A, B, C, D	G3/8	G1/2	3/4-16 (SAE8)	M18x1,5
LA [mm]	39,4	37,4	39,4	39,4
Seals between sections	OR 21x2 NBR90	OR 26x2 NBR90	OR 26,7x1,78 NBR90	OR 21x2 NBR90
Drain port L	G1/4	G1/4	7/16-20 (SAE4)	M14x1,5
Seals between sections	OR 17x2 NBR90	OR 17x2 NBR90	OR 17x1,8 NBR90	17x2 NBR90



## Dimensions



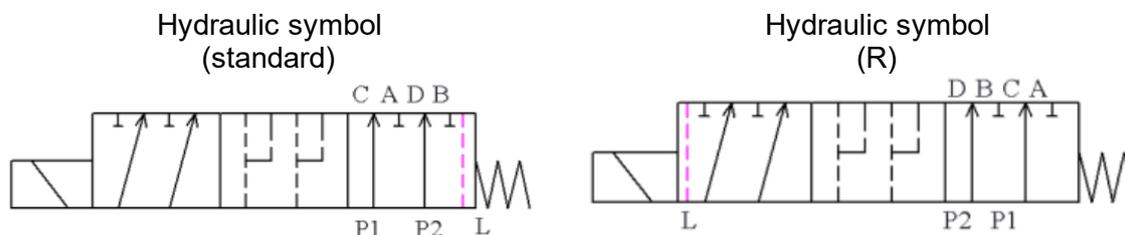
TYPE	E [mm]	F [mm]	Weight [kg]
DVS6	64	49	2,2
2DVS6	148	113	4,6
3DVS6	212	177	7
4DVS6	276	241	9,4
5DVS6	340	305	11,8
6DVS6	404	369	14,2

## Operation and hydraulic schemes

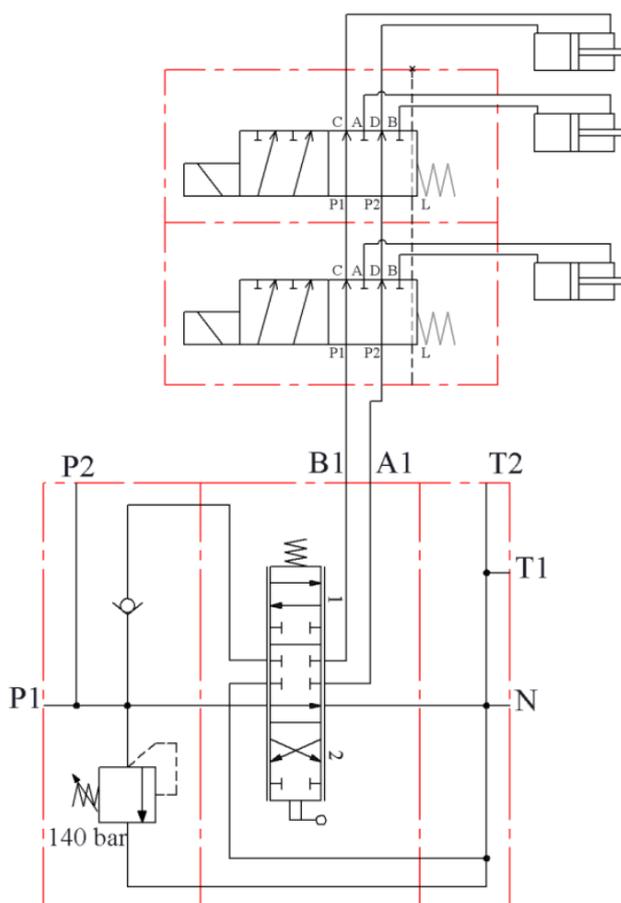
Selector valves type DVS6 with direct solenoid operation control the direction of hydraulic fluid flow. They are primarily used as a link between two consumers (actuators) and the main directional valve when it is necessary to control both consumers alternately using a single directional valve.

The DVS6 directional valves consist of a housing, a control spool, and a solenoid with a return spring. Switching to the operating position is achieved by energizing the solenoid. The solenoid plunger acts on the control spool via the operating pin, thereby opening the corresponding flow paths and establishing the connections between ports P1, A, B and P2.

When the solenoid is de-energized, the control spool returns to its neutral position by means of the return spring, re-establishing the connections between ports P1, C, D and P2. The switching operation can also be performed manually by pressing the emergency manual override.

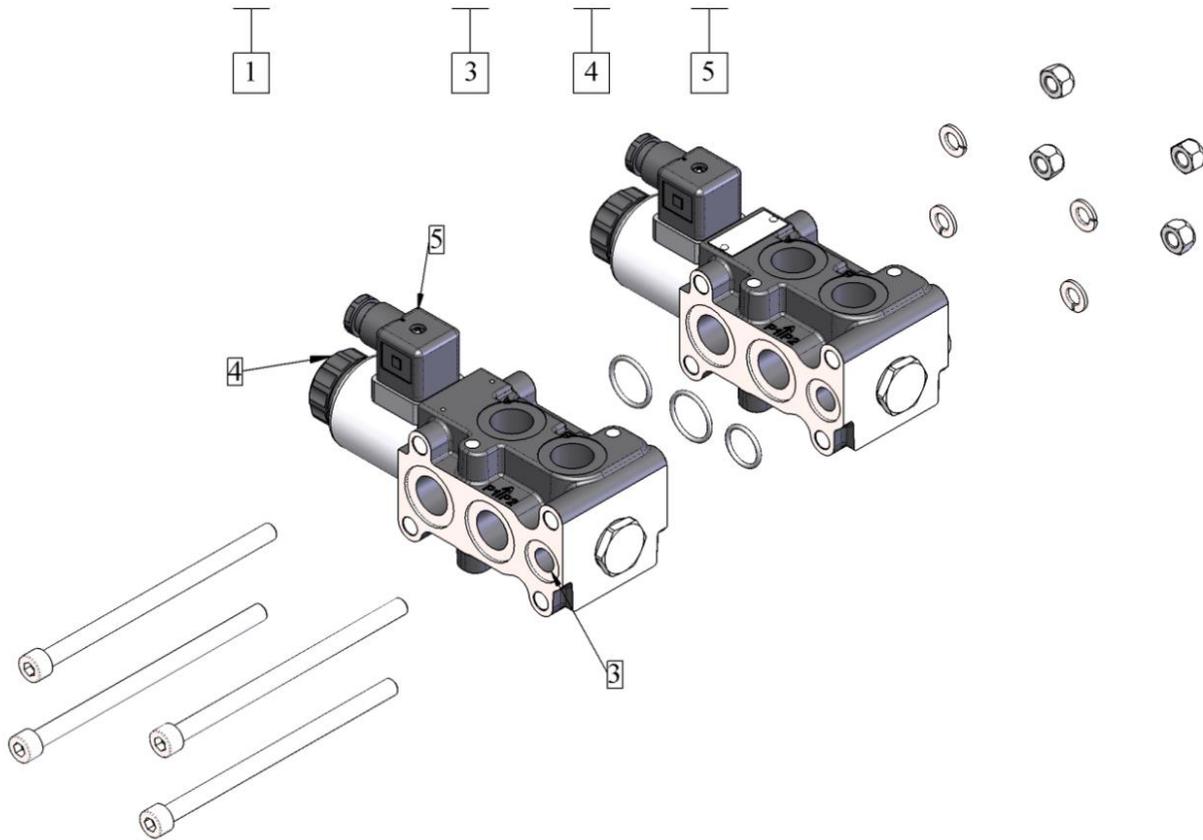


Mounting sample



Order codes:

## 2 DVS6 - L - 12V - C - G38



	Code	Description
1. No. of sections	up to 6	Qty of sections, stacked together
2. Position of solenoid	-	Standard solenoid next to P1 port
	(R)	Right, solenoid next to L (P2 port); special spool is required
3. Drainage port	-	Without drainage
	L	With drainage
4. Solenoid specification	12V	12V for ISO4400 connector
	24V	24V for ISO4400 connector
	12V(DT)	12V for Deutsch DT06 connector
	24V(DT)	24V for Deutsch DT06 connector
5. Connector	-	Standard without connector
	C	With connector
6. Assembly kit (tie rod kits)	2S	Tie rod kit 2 sections
	3S	Tie rod kit 3 sections
	4S	Tie rod kit 4 sections
	5S	Tie rod kit 5 sections
	6S	Tie rod kit 6 sections