

DVS6

Stackable 6/2 selector valve

WORKING CONDITIONS

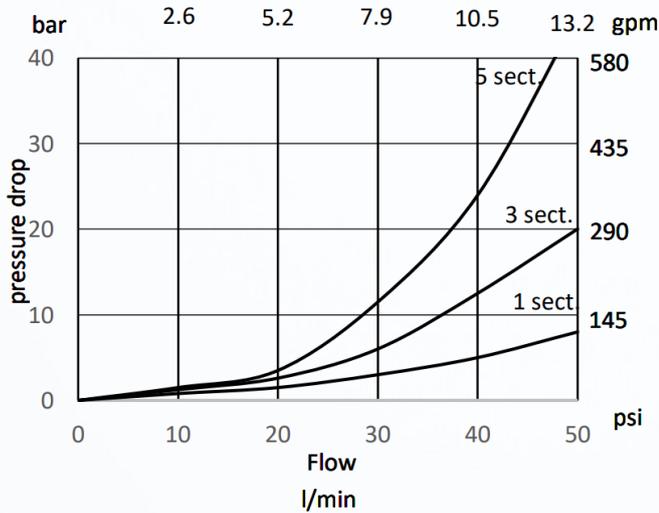
Number of available sections	Up to 6	
Nominal flow rating	50 l/min	12 US gpm
Operating pressure (max.)		
With drain port L	315 bar	46000 psi
Without drain port L	210 bar	3050 psi
Internal leakage (max.) A(B) to T		
$\Delta p = 100$ bar (1450 psi) fluid and valve at 40 °C (104 °F)	7 cm ³ /min	0.42 in ³ /min
Fluid	Mineral based oil	
Fluid temperature		
With NBR seals	from -20° C to 80° C	from -4° F to 176° F
With FPM (Viton) seals	from -20° C to 100° C	from -4° F to 212° F
Viscosity		
Operating range	from 15 to 75 mm ² /s	from 15 to 75 cSt
Min.	12 mm ² /s	12 cSt
Max.	400 mm ² /s	400 cSt
Max contamination level	19/17/14 - ISO 4406	NAS 1683 - class 8
Supply voltage	12/24 V	
Max. allowable voltage variation	±10%	
Power	31 W	
Switching frequency	15 000 1/h	
Ambient temperature	from -20° C to 50° C	from -4° F to 140° F
Coil temperature	to 180° C	to 356° F
Duty cycle	Continuous	
Tie rods tightening torque (wrench 13)	15 Nm	11 lbft

DVS6



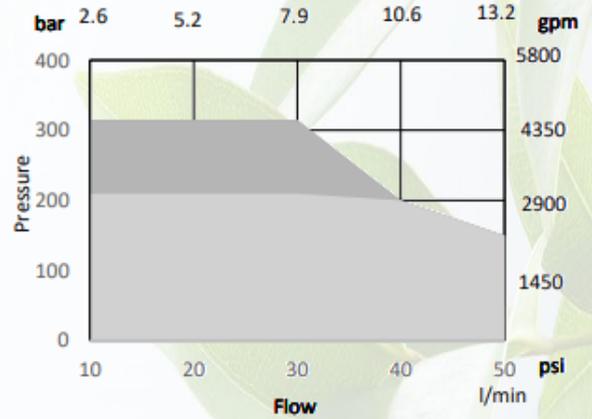
Stackable 6/2 selector valve

PRESSURE DROPS



MINIMUM DYNAMIC CONDITION

Supply is Vn-10% Tcoil > 50 C



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 SAE DIN 3852-2 (Shape X or Y)	11926 J1926	9974-1 J2244 3852-1 (Shape X or Y)	J476a

Port threadings and codes

Ports "codes"	BSP "G38"
Inlet P1, P2	G3/8
Working ports A, B, C, D	G3/8
Drain port L	G1/4



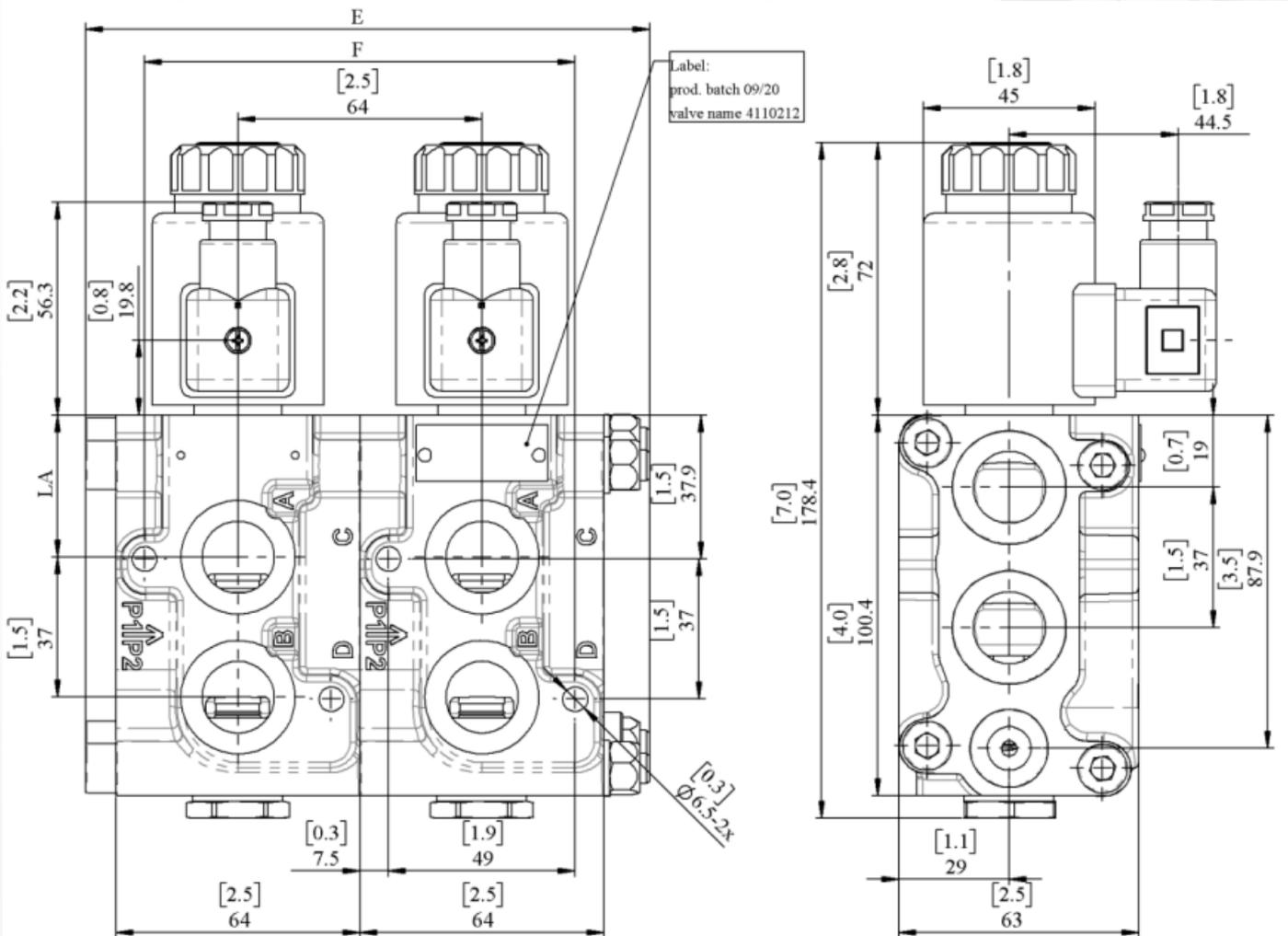
TAON Hydraulic Components ApS are specialists in hydraulic solutions, components and tool.
 TAON Hydraulic Components ApS • +45 24 48 84 80 • info@taon.dk • www.taon.dk
 © TAON Hydraulic will always help you find the best solution.

DVS6



Stackable 6/2 selector valve

DIMENSIONAL DATA



TYPE	E		F		Weight	
	mm	in	mm	in	kg	lb
DVS6	64	2.5	49	1.9	2.2	4.8
2DVS6	148	5.8	113	4.4	4.6	10.1
3DVS6	212	8.3	177	7.0	7	15.4
4DVS6	276	10.9	241	9.5	9.4	20.7
5DVS6	340	13.4	305	12.0	11.8	26.0
6DVS6	404	15.9	369	14.5	14.2	31.3



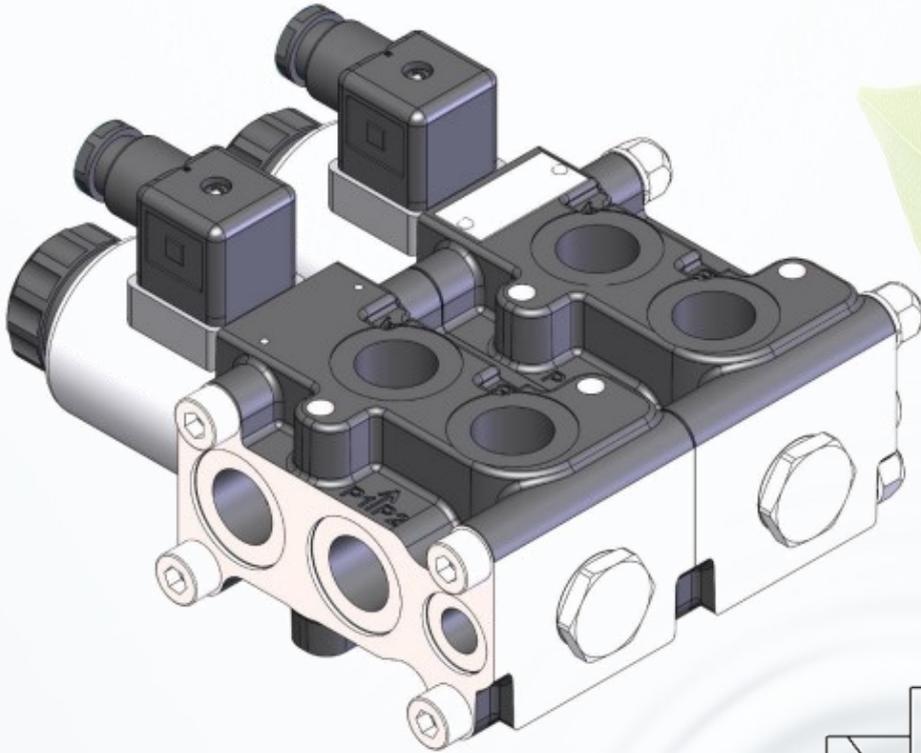
TAON Hydraulic Components ApS are specialists in hydraulic solutions, components and tool.
 TAON Hydraulic Components ApS • +45 24 48 84 80 • info@taon.dk • www.taon.dk
 © TAON Hydraulic will always help you find the best solution.

DVS6

Stackable 6/2 selector valve



OPERATION AND HYDRAULIC SCHEMES



HYDRAULIC SYMBOL (standard)



Operation and hydraulic schemes Selector valves type DVS6 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 DVS6 type directional valves consist of a housing, a control spool, and a solenoid with return spring. Change-over to the operating position is done by energizing the solenoid, whereby the solenoid plunger acts on the control spool via the operating pin, thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2. When the solenoid is de-energized, the control spool is returned to its neutral position by the return spring, thus establishing again the links between ports P1, C, D and P2. The change-over can also be done manually by pressing the emergency manual override.



TAON Hydraulic Components ApS are specialists in hydraulic solutions, components and tool.

TAON Hydraulic Components ApS • +45 24 48 84 80 • info@taon.dk • www.taon.dk

© TAON Hydraulic will always help you find the best solution.