Part number:

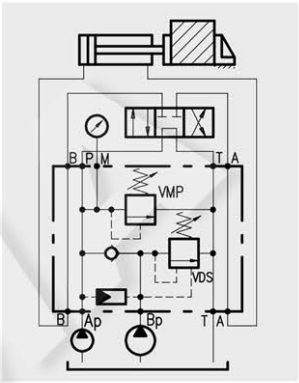
HYDROMA HYDRAULICKÉ SYSTÉMY | HIDROMA SISTEMS UKŁADY HYDRAULICZNE | HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

HIGH-LOW PRESSURE CUT-OUT VALVES WITH "NG 6","NG 10" AND "NG 16" FLANGE

Type VEP/FL

Operation

High-Low pressure cut-out valve with "NG 6","NG 10" and "NG 16" flange . Recommended for systems powered by two pumps where double speed (fast-slow sequence) is made available. Fast speed is obtained by summing up both pumps capacity up to the setting value of the VDS valve. Slow speed according to the small pump is obtained by later discharge of the bigger pump. Working pressure during slow speed is controlled by the VMP valve.



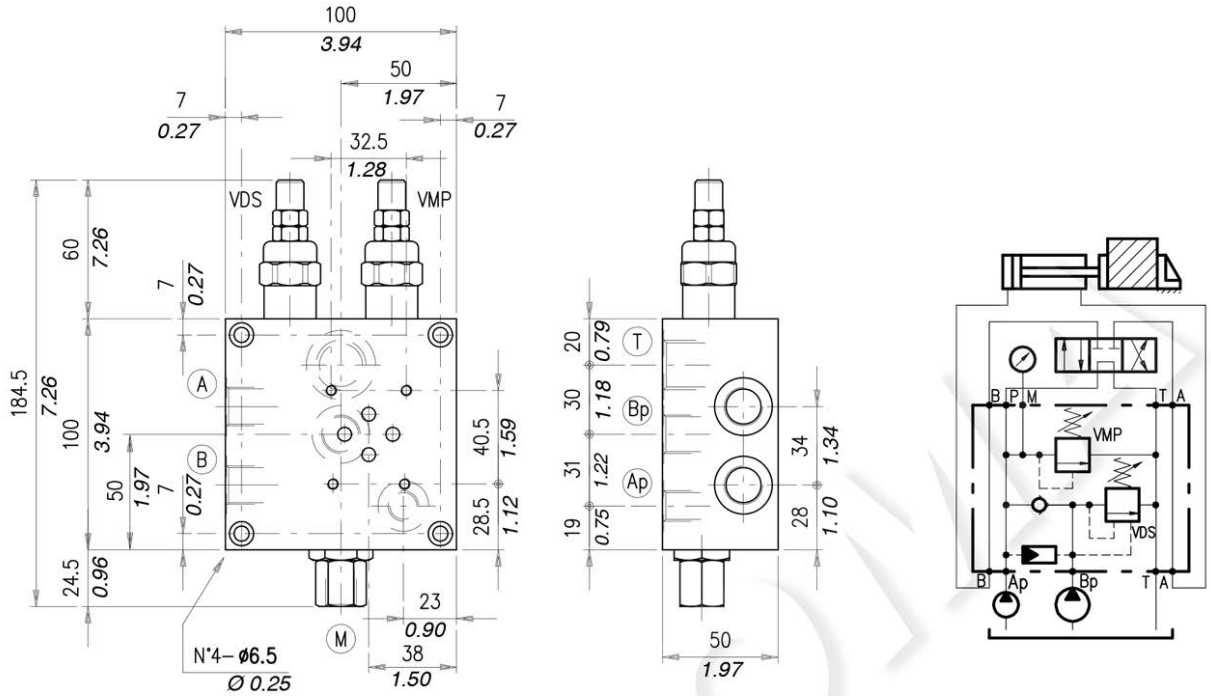
Performance

Body Valves

Type	Maximum flow			Maximum pressure		Application range with standard springs"Ap" (VMP)*	Application range with standard springs "Bp" (VDS)	Weight	
	line	l/min	*US gpm*	bar	*psi*			kg	*lb*
VEP /FL 6-38	Ap line Bp line P line	10 25 30	*2.6* *6.6* *8*	210 alum. body 350 steel body	*3050 alum. body* *5100 steel body*	50÷220 bar - *725÷3200 psi* (test setting 180 bar - *2600 psi* at 5 l/min. - *1.32 US gpm*) 180÷350 bar - *2600÷5100 psi* (test setting 280 bar - *4050 psi* at 5 l/min. - *1.32 US gpm*)	5÷40 bar - *72.5÷580 psi* (test setting 30 bar - *435 psi* at 5 l/min. -*1.32 US gpm*) 20÷80 bar -*290÷1160 psi* (test setting 60 bar - *870 psi* at 5 l/min. - *1.32 US gpm*)	1,54 aluminium 3,53 steel	*3.39* *7.78*
VEP /FL 10-12	Ap line Bp line P line	20 45 55	*5.3* *12* *14.5*				5÷40 bar - *72.5÷580 psi* (test setting 40 bar - *580 psi* at 5 l/min. - *1.32 US gpm*) 20÷80 bar - *290÷1150 psi* (test setting 70 bar - *1000 psi at* 5 l/min. - *1.32 US gpm*)	3,09 aluminium 6,35 steel	*6.81* *14.00*
VEP /FL 16-34	Ap line Bp line P line	30 80 100	*8* *21* *26*				10÷50 bar - *145÷725 psi* (test setting 30 bar - *435 psi* at 5 l/min. - *1.32 US gpm*) 10÷80 bar -*145÷1150 psi* (test setting 50 bar - *725 psi* at 5 l/min. - *1.32 US gpm*) 50÷110 bar - *725 ÷ 1600 psi* (test setting 80 bar - *1150 psi* at 5 l/min. - *1.32 US gpm*)	6,38 aluminium 16,50 steel	*14.06* *36.38*
VEP /FL 16-100									

***To perform setting of the valve see the pressure drop/flow diagram.**

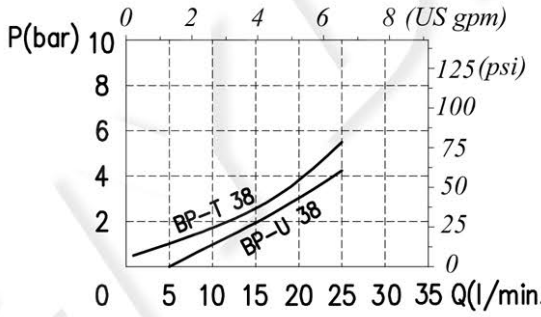
Dimensions and hydraulic circuit



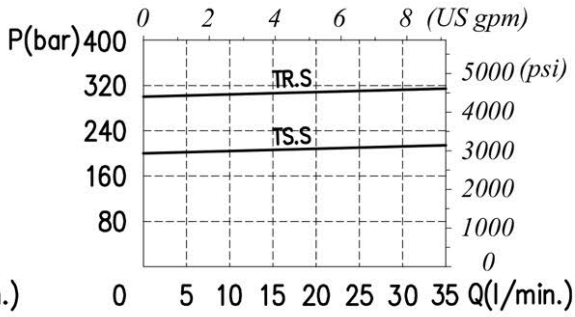
VEP/FL	A–B	M	T	Ap	Bp
6–38	G 3/8	G 1/4	G 1/2	G 1/4	G 3/8

Rating diagrams

Pressure drop diagram



Adjustment diagram



Order code

VEP /FL 6-38 /□□ - □□ . □ - S / □□

Pressure settings AP

TS) 50÷220 bar *(725÷3200 psi)*
TR) 180÷350 bar *(2600÷5100 psi)*

Pressure settings BP

TB) 5÷40 bar *(72.5÷580 psi)*
TV) 20÷80 bar *(290÷1150 psi)*

Adjustment AP

(see page 80)
S (screw)
V (handknob)
W (copped adjustment)

Body material

_ Aluminium
ac Steel