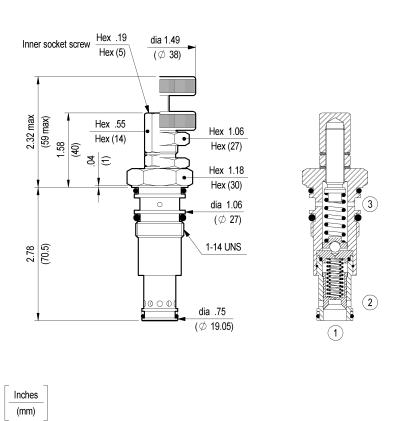


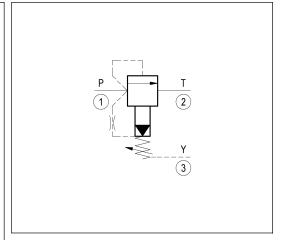
RELIEF, PILOT OPERATED SPOOL TYPE **EXTERNAL DRAIN SPECIAL CAVITY**

VSP-SD-150

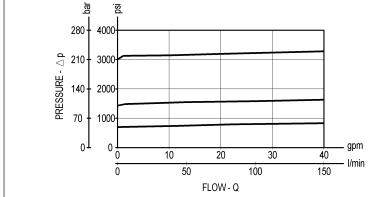
04.13.03 - X - 99 - Z



Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the pilot-stage ball check from its seat. This action exhausts oil above the main-stage piston (spool type), allowing it to shift and provide relief flow through 2 to tank. The spring chamber is drained to tank at 3 allowing a consistent relief setting independent of back-pressure at 2.



TECHNICAL DATA				
Max. pressure:	3000 psi	(210 bar)		
Max. flow:	40 gpm	(150 l/min)		
Leakage at max relies setting ave. :	ef _{0.03} gpm	(0.10 l/min)		
Special cavity: 072	(see page CT	.S.002.U)		
Installation torque :	89-98 ft-lb	(121-133 Nm)		
Weight:	0.617 lbs	(0.280 Kg)		



X	ADJUSTMENTS	3
03	Leakproof inner hex. socket screw	
04	Handknob and locknut	

	S	PRINGS		
Adj. press. range psi (bar)	Press. increase psi / turn (bar/turn)	Standard setting psi (bar) (Q=5 l/min)		
145-3000 508 (10-210) (35)		2900 (200)		
	range psi (bar) 145-3000	Adj. press. Press. increase range psi (bar) (bar/turn) 145-3000 508	range psi psi / turn psi (bar) (bar/turn) (Q=5 l/min) 145-3000 508 2900	Adj. press. Press. increase range psi (bar) Standard setting psi (bar) (bar) (bar/turn) (Q=5 l/min) 145-3000 508 2900

			LOVV - Q				
_	SPRINGS						
Z	Adj. press. range psi (bar)	Press. increase psi / turn (bar/turn)	Standard setting psi (bar) (Q=5 l/min)				
20	145-3000 (10-210)	508 (35)	2900 (200)				

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