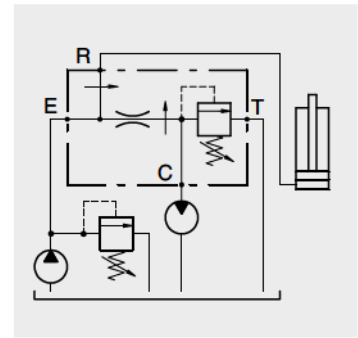


Operation

The valve is designed to keep constant flow in C and concurrently discharge exceeding flow in R for other applications. Best performance of the valve is assured when the flow in E is at least 10% bigger than in C. Pressure variations in C and R do not alter the constant flow in C. Make sure that a pressure relief valve is always used between the pump and the valve.



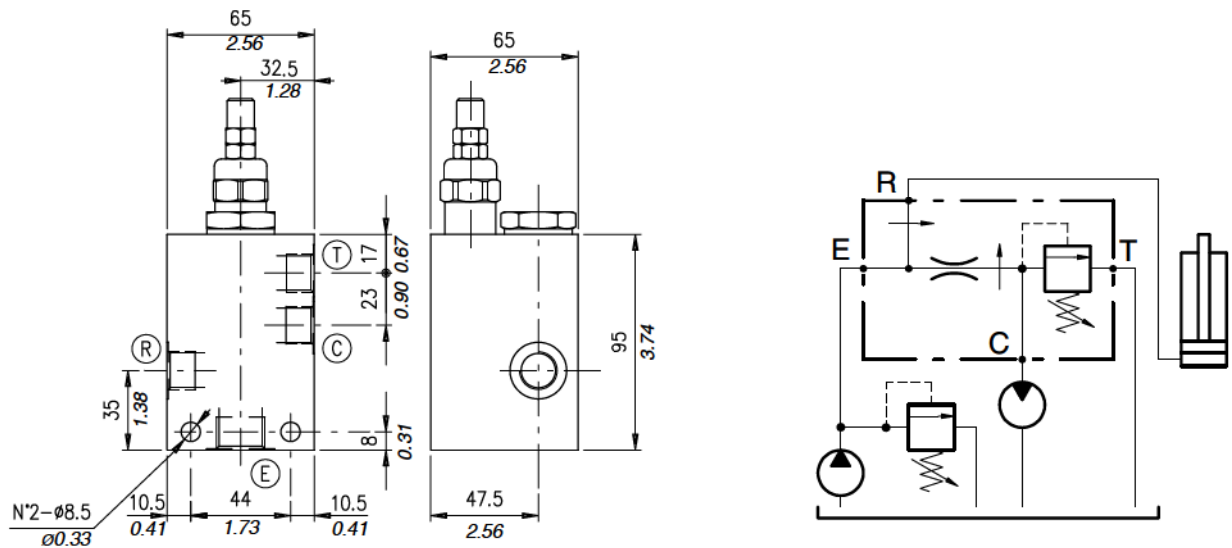
Performance

Body Valves

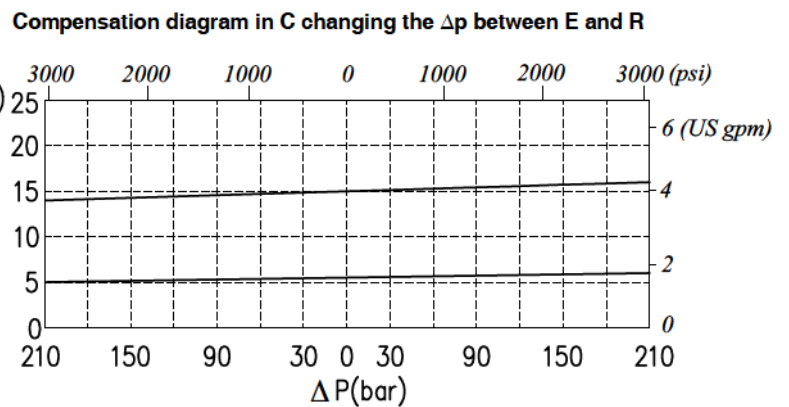
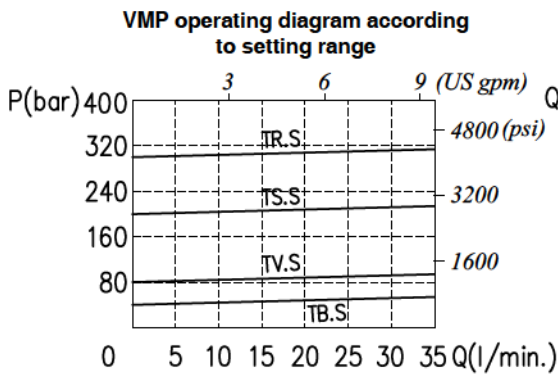
Type VPF/3/EP..+VMP	Max flow in E		Flow regulated in C (l/min.) depending on the fixed orifice size																	
			l/min	US gpm	Ø															
					mm	1	1,5	2	2,5	2,8	3	3,5	3,8	4	4,5	5	5,5	6	6,5	7
			in	0.040	0.059	0.079	0.098	0.11	0.12	0.14	0.15	0.16	0.18	0.20	0.21	0.24	0.25	0.27		
VPF/3/EP38 +VMP	60	16	l/min	1,5	2,8	5	7,5	9,8	10,3	15	22	26	-	-	-	-	-	-		
			US gpm	0.4	0.7	1.3	2	2.6	2.7	4	5.8	6.9	-	-	-	-	-	-		
VPF/3/EP12 +VMP	100	26	l/min	1,1	2,5	4	6	8,8	9,5	13	18	19,5	26	33	46	-	-	-		
			US gpm	0.29	0.66	1	1.6	2.3	2.5	3.4	4.7	5.1	6.9	8.7	12	-	-	-		
VPF/3/EP34 +VMP	150	40	l/min	1,7	3	5	7,5	-	11	16	-	20,5	26,5	38	43	55	68	88		
			US gpm	0.45	0.79	1.3	2	-	2.9	4.2	-	5.4	7	10	11	14	18	23		

Type VPF/3/EP..+VMP	Values have been pointed out a the following cond.	Max. Press.	Weight	
			kg	lb
VPF/3/EP38 +VMP	flow in E: 40 l/min (11 US gpm) no load on both, R and C ports	210 bar -3050 psi- (aluminium body) 350 bar -5100 psi- (steel body)	1,30 (alum.) 2,94 (steel)	2,87 (alum.) 6,48 (steel)
VPF/3/EP12 +VMP	flow in E: 80 l/min (21 US gpm) no load on both, R and C ports		1,90 (alum.) 4,38 (steel)	4,19 (alum.) 9,66 (steel)
VPF/3/EP34 +VMP	flow in E: 100 l/min (26 US gpm) no load on both, R and C ports		3,12 (alum.) 6,77 (steel)	6,88 (alum.) 14,92 (steel)

Dimensions and assembly diagram

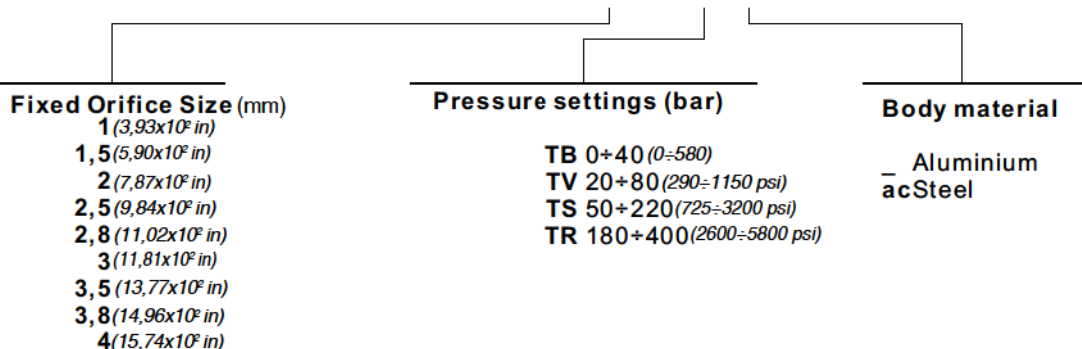


Rating diagrams

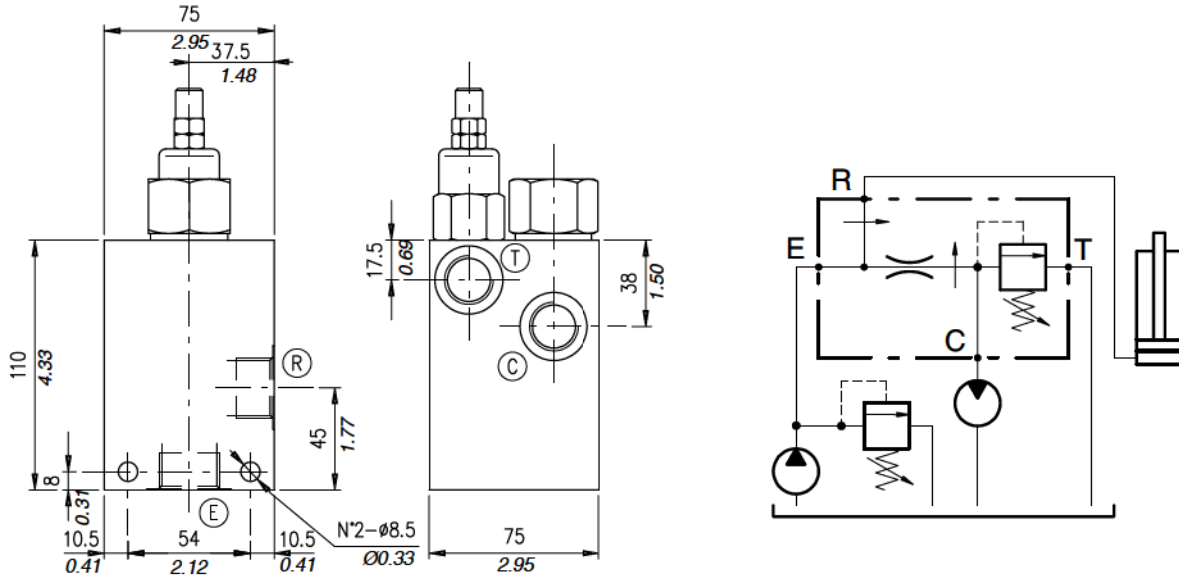


Order code

VPF / 3 / EP 38 + VMP / DS □ / 5 . □ / □

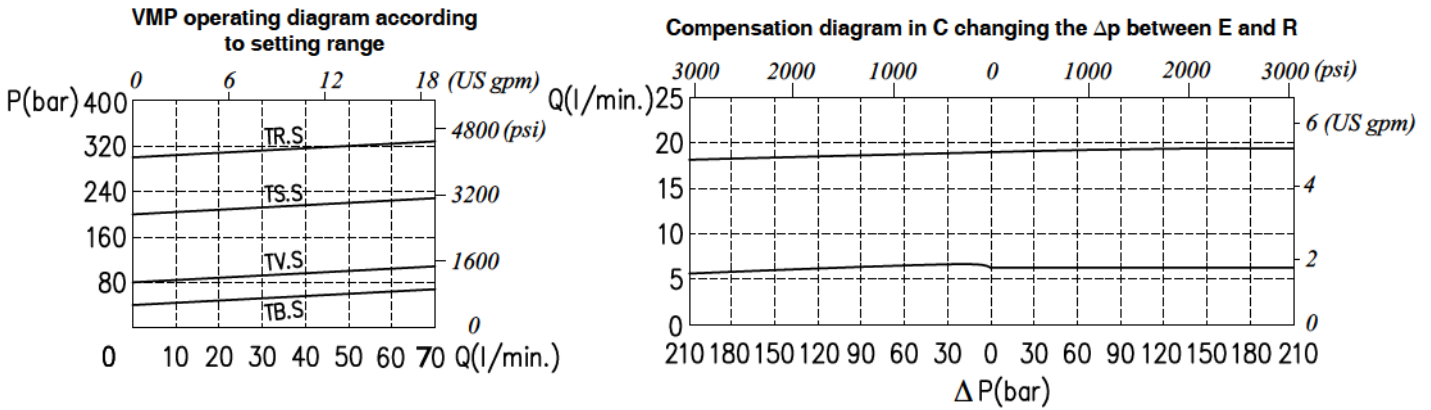


Dimensions and hydraulic circuit



E-R	T-C
G 3/4	G 1/2

Rating diagrams

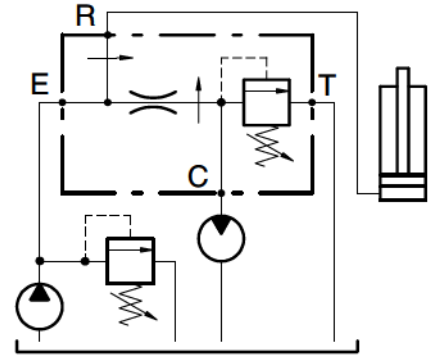
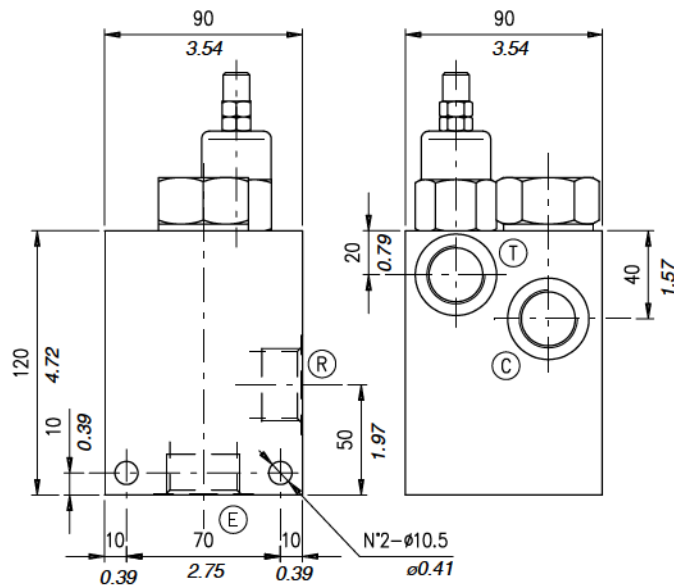


Order code

VPF /3 /EP 12 + VMP /DS □ / 10 .□ /□

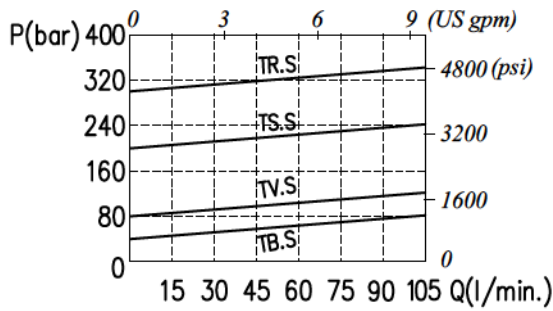
Fixed Orifice Size	Pressure settings (bar)	Body material
1 (3,93x10 ² in) 3,5 (13,77x10 ² in) 1,5 (5,90x10 ² in) 3,8 (14,96x10 ² in) 2 (7,87x10 ² in) 4 (15,74x10 ² in) 2,5 (9,84x10 ² in) 4,5 (17,71x10 ² in) 2,8 (11,02x10 ² in) 5 (19,68x10 ² in) 3 (11,81x10 ² in) 5,5 (19,68x10 ² in)	TB 0+40 (0÷580 psi) TV 20+80 (290÷1150 psi) TS 50+220 (725÷3200 psi) TR 180+400 (2600÷5800 psi)	_ Aluminium _ acSteel

Dimensions and hydraulic circuit

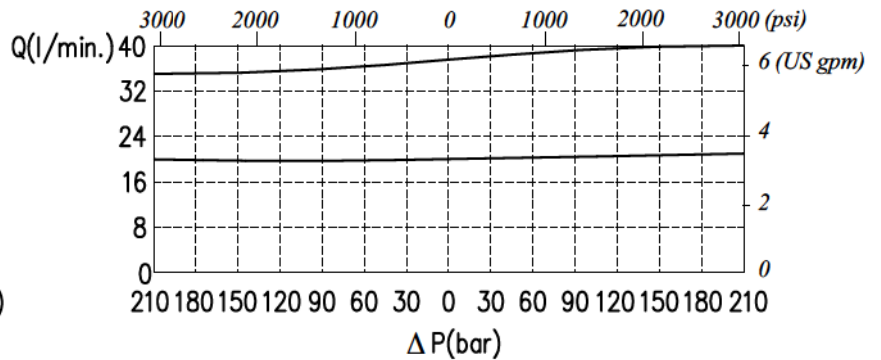


Rating diagrams

VMP operating diagram according to setting range



Compensation diagram in C changing the Δp between E and R



Order code

VPF /3 /EP 34 + VMP /DS □ / 20 .□ /□

