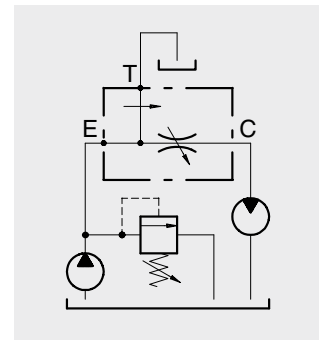


Operation

The valve is designed to provide flow adjustment from E to C by a variation of the oil flow section. Exceeding flow is concurrently sent to tank T. Best performance of the valve is assured when the flow in E is at least 10% bigger than in C. Pressure variations in C do not alter the checked oil flow. On the contrary, eventual back pressure in T may cause inconstant capacity in C. Use of a pressure relief valve between the pump and the flow regulator is strictly recommended.



Performance

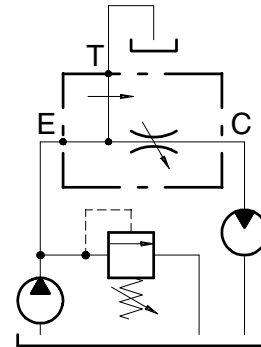
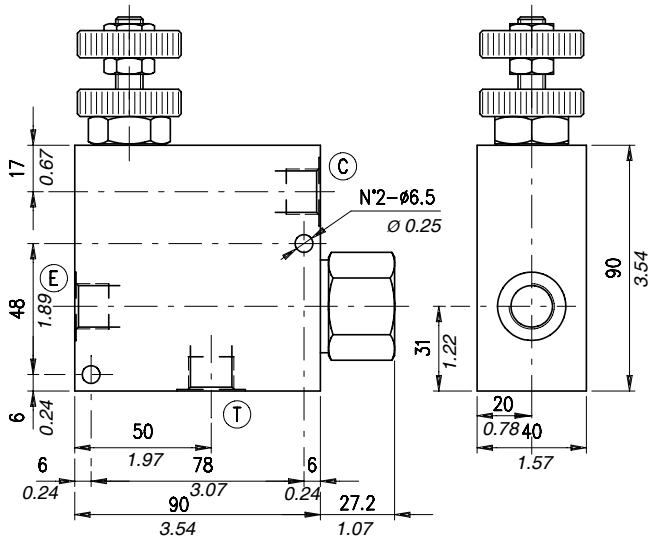
Body Valves

Type VPR/3/ET..	Flow		Max. pressure	Weight	
	l/min	US gpm		kg	lb
VPR/3/ET 38	E=50 C=30	E=13 C=7.9	210 bar -3050 psi- (aluminium body) 350 bar -5100 psi- (steel body)	1,07 (aluminium) 2,48 (steel)	2,36 (aluminium) 5,47 (steel)
VPR/3/ET 12	E=90 C=50	E=24 C=13		1,02 (aluminium) 2,43 (steel)	2,25 (aluminium) 5,36 (steel)
VPR/3/ET 34	E=150 C=90	E=40 C=24		2,22 (aluminium) 4,42 (steel)	4,89 (aluminium) 9,74 (steel)
VPR/3/ET 100	E=240 C=150	E=63 C=40		4,00 (aluminium) 9,00 (steel)	8,82 (aluminium) 19,84 (steel)
VPR/3/ET 114	E=350 C=250	E=92 C=66		9,50 (aluminium) 23,90 (steel)	20,94 (aluminium) 52,69 (steel)

Type VPR/3/ET 38 (12)

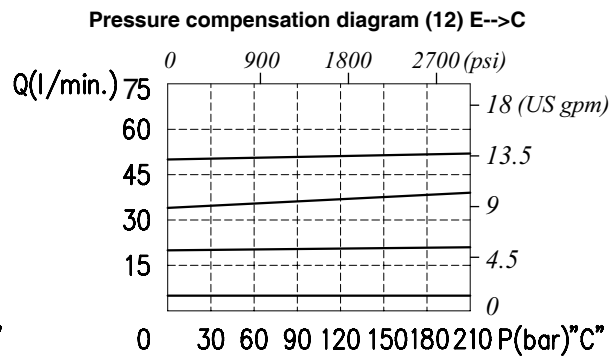
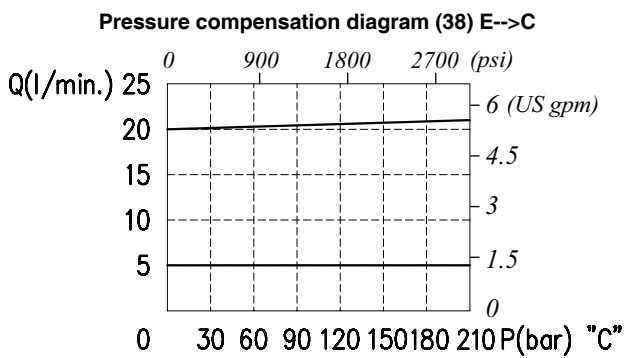
3 ways flow regulator, pressure compensated, exceeding flow to tank

Dimensions and hydraulic circuit



VPR/3/ET	E	T	C
38	G 3/8	G 3/8	G 3/8
12	G 1/2	G 1/2	G 1/2

Rating diagrams



Order code

VPR /3 /ET □ / □ / □

Port size

38 G 3/8
12 G 1/2

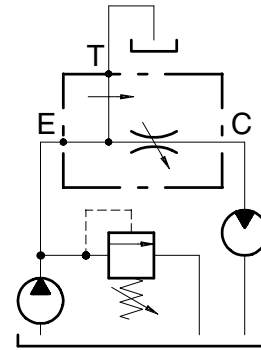
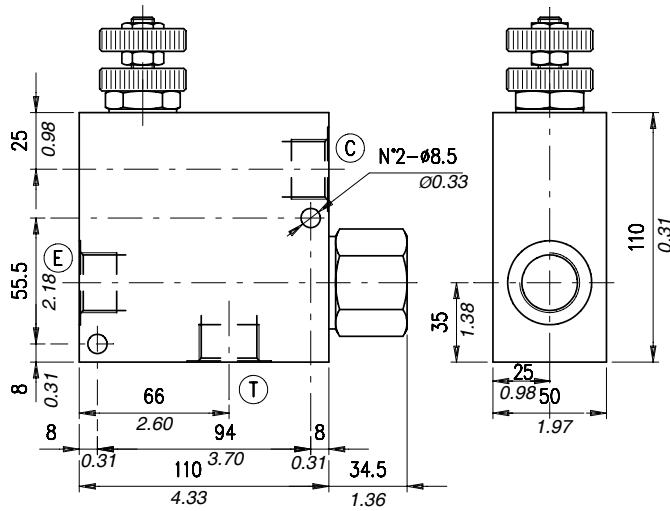
Adjustments
(see page 122)

S (screw)
V (handknob)
L (lever)
MG (handknob calibrated *m.a*)
MGB (handknob calibrated *f.a*)

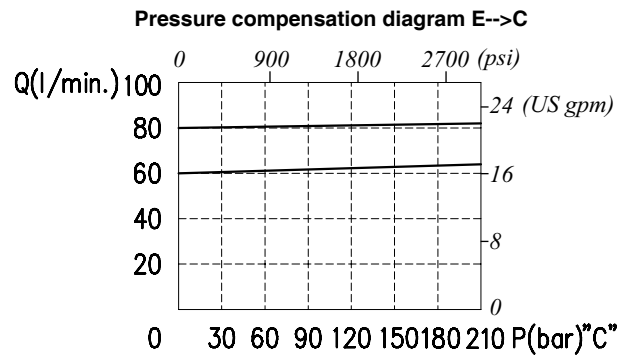
Body material

_Aluminium
ac Steel

Dimensions and hydraulic circuit



Rating diagrams



Order code

VPR /3 /ET 34 / □ / □

Adjustments
(see page 122)

- S** (screw)
- V** (handknob)
- L** (lever)
- MG** (handknob calibrated *m.a*)
- MGB** (handknob calibrated *f.a*)

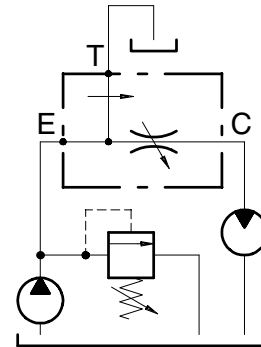
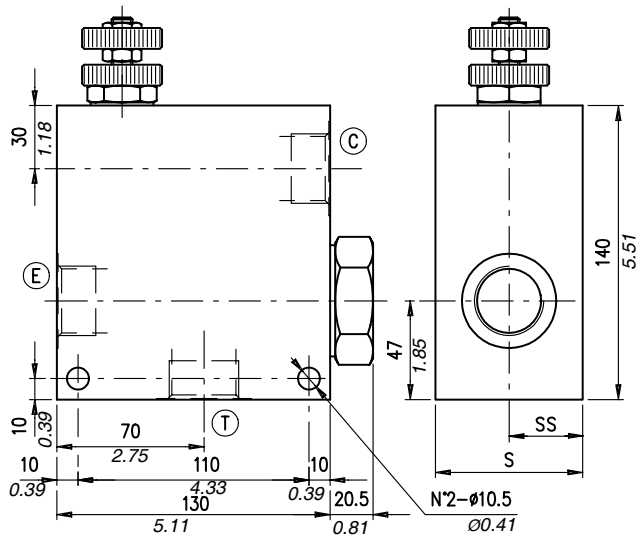
Body material

- _** Aluminium
- ac** Steel

Type VPR/3/ET 100

3 ways flow regulator, pressure compensated, exceeding flow to tank

Dimensions and hydraulic circuit

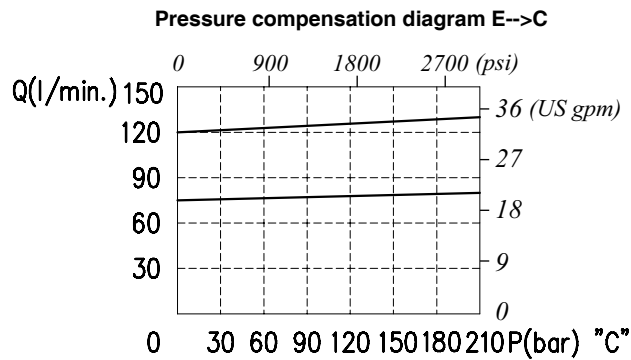


E	T	C
G 1	G 1	G 1

S	SS	Material
70 - 2.75	35 - 1.38	Aluminium
65 - 2.56	32.5 - 1.28	Steel

Dimensions are in mm - in

Rating diagrams



Order code

VPR /3 /ET 100 / □ / □

Adjustments
(see page 122)

- S (screw)
- V (handknob)
- L (lever)
- MG (handknob calibrated *m.a*)
- MGB (handknob calibrated *f.a*)

Body material

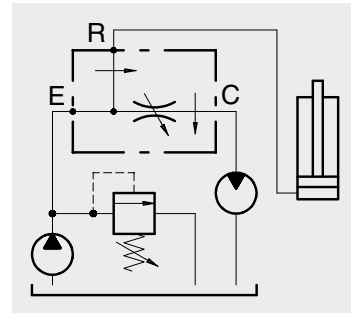
- _ Aluminium
- ac Steel

Operation

The valve is designed to keep constant flow in C (3) and concurrently discharge exceeding flow in R (2) for other applications. Best performance of the valve is assured when the flow in E (1) is at least 10% bigger than in C (3).

Pressure variations in C (3) and R (2) do not alter the constant flow in C (3).

Make sure that a pressure relief valve is always used between the pump and the valve.



Performance

Body Valves

Type VPR/3/EP	Flow		Max. pressure	Weight	
	l/min	US gpm		kg	lb
VPR/3/EP 38	E = 50 Qmax. in C=30	E = 13 Qmax. in C =7.9	210 bar -3050 psi- (aluminium body) 350 bar -5100 psi- (steel body)	1,25 (alum.) 2,85 (steel)	2,75 (alum.) 6,28 (steel)
VPR/3/EP 12	E = 90 Qmax in C=50	E = 24 Qmax. in C=13		1,35 (alum.) 2,80 (steel)	2,98 (alum.) 6,17 (steel)
VPR/3/EP 34	E=150 C=90	E=40 C=24		2,46 (alum.) 4,95 (steel)	5,42 (alum.) 10,91 (steel)
VPR/3/EP 100	E=240 C=150	E=63 C=40		5,15 (alum.) 9,45 (steel)	11,35 (alum.) 20,83 (steel)
VPR/3/EP 114	E=450 C=250	E=119 C=66		7,45 (alum.) 15,80 (steel)	16,42 (alum.) 34,83 (steel)

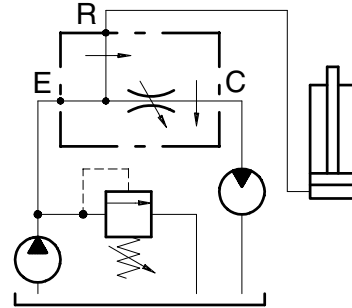
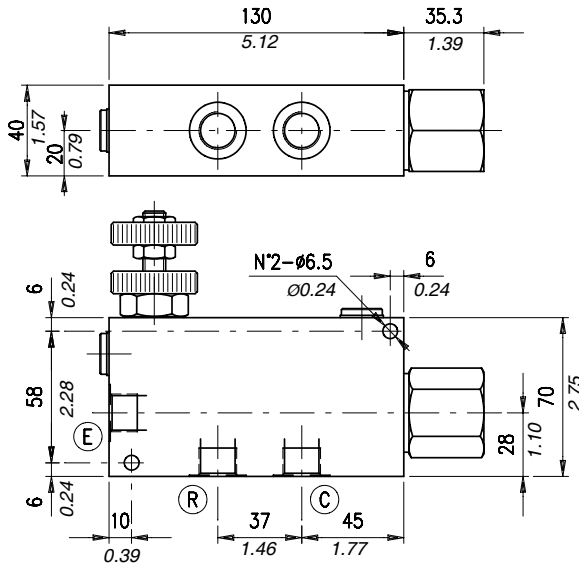
Cartridges

Type PP...A	Flow		Max. pressure	Weight kg lb	Cavities and tools
	l/min	US gpm			
PP08A	"1"=20 "3"=10	"1"=5.3 "3"=2.6	350 bar -5100 psi-	0,15 0.33	see page 130 SAE 8/3
PP10A	"1"=50 "3"=30	"1"=13 "3"=8		0,20 0.44	see page 130 SAE 10/3
PP12A	"1"=90 "3"=50	"1"=24 "3"=13		0,42 0.92	see page 130 SAE 12/3
PP16A	"1"=150 "3"=90	"1"=40 "3"=24		0,57 1.26	see page 130 SAE 16/3

Type VPR/3/EP 38 (12)

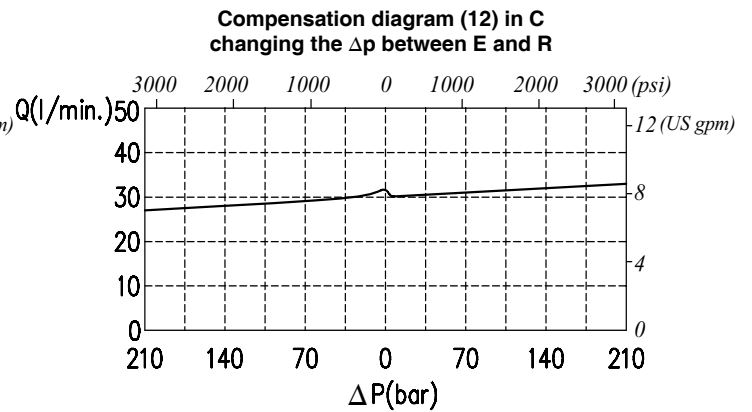
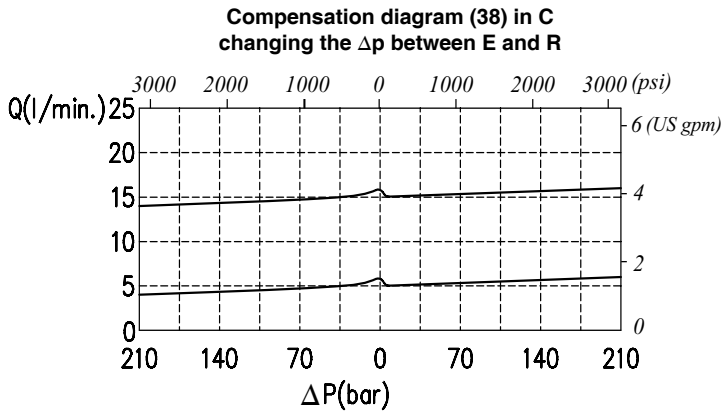
3 ways flow regulator, pressure compensated with exceeding flow to pressure

Dimensions and hydraulic circuit



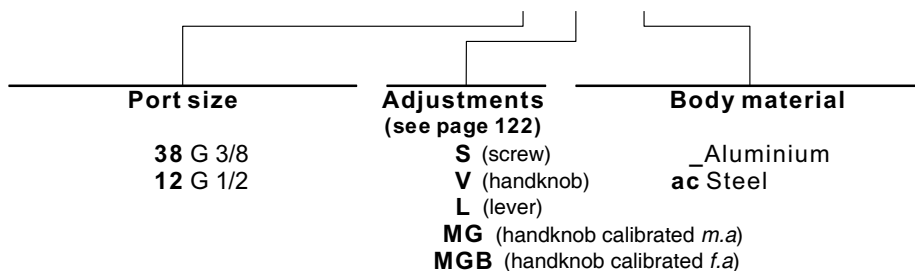
VPR/3/EP	E	R	U
38	G 3/8	G 3/8	G 3/8
12	G 1/2	G 1/2	G 1/2

Rating diagrams

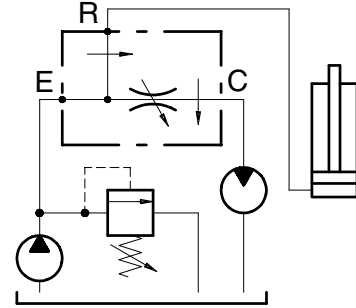
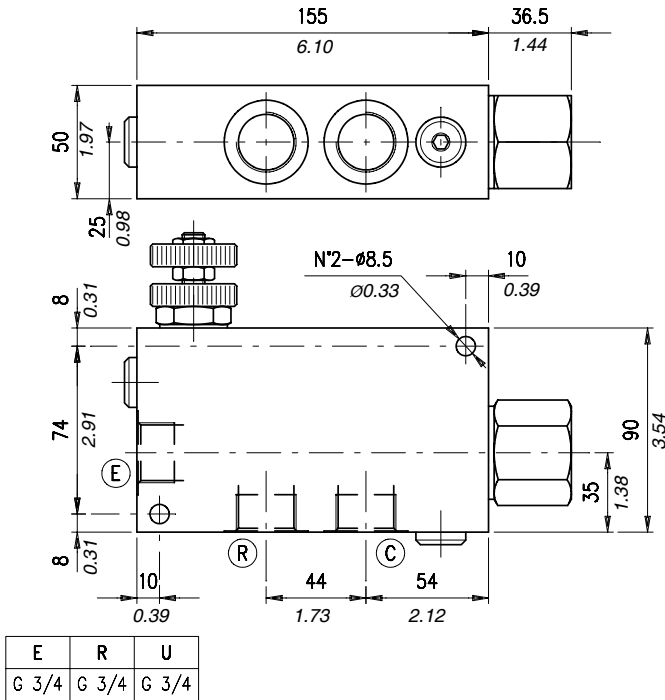


Order code

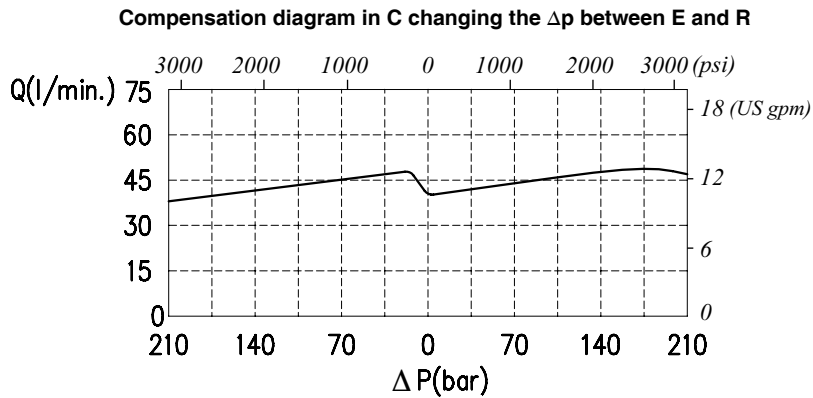
VPR / 3 / EP □ / □ / □



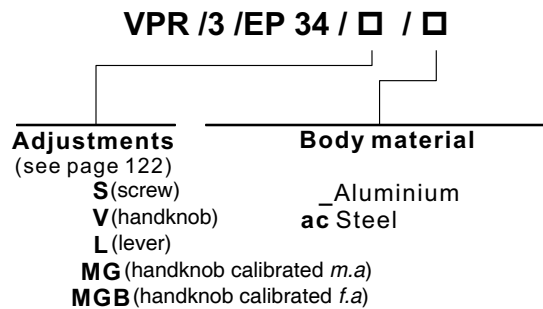
Dimensions and hydraulic circuit



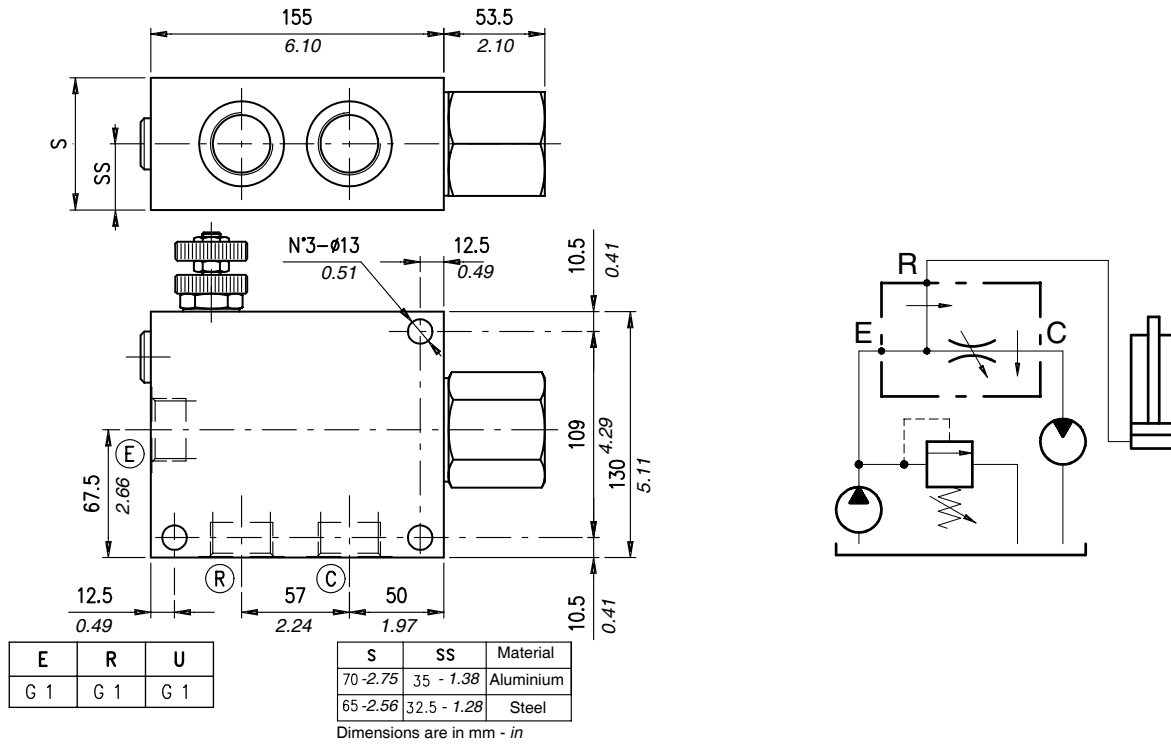
Rating diagrams



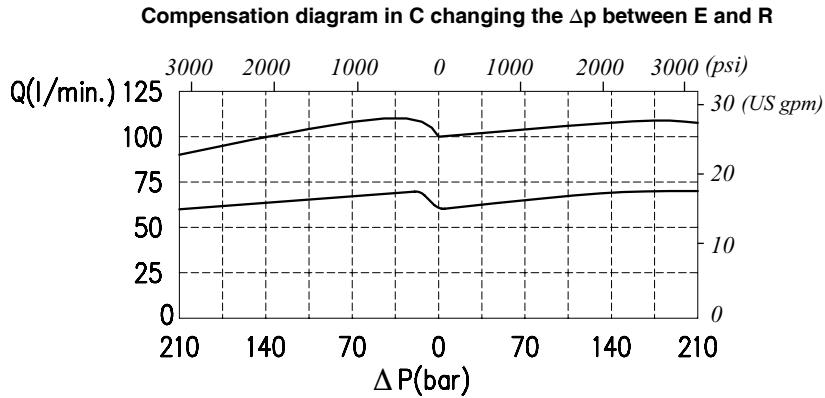
Order code



Dimensions and hydraulic circuit



Rating diagrams



Order code

VPR /3 /EP 100 / □ / □

Adjustments
(see page 122)

S (screw)

V (handknob)

L (lever)

MG (handknob calibrated *m.a*)

MGB (handknob calibrated *f.a*)

Body material

_ Aluminium

ac Steel