



Type VPR/3/EP

flow control pressure compensated valves

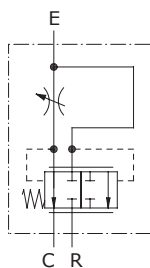
- 3 ways
- Exceeding flow to pressure

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

		VPR/3/EP 38	VPR/3/EP 12	VPR/3/EP 34	VPR/3/EP 100	VPR/3/EP 114
Max. inlet flow	Line E	50 l/min (13.2 US gpm)	90 l/min (23.8 US gpm)	150 l/min (39.6 US gpm)	240 l/min (63.4 US gpm)	450 l/min (119 US gpm)
Max. regulated flow	Line E	30 l/min (7.9 US gpm)	50 l/min (13.2 US gpm)	90 l/min (23.8 US gpm)	150 l/min (39.6 US gpm)	250 l/min (66.0 US gpm)
Max. regulated flow "SB" *		15 l/min (4.0 US gpm)	25 l/min (6.6 US gpm)	45 l/min (11.9 US gpm)	75 l/min (19.8 US gpm)	125 l/min (33.0 US gpm)
Max. pressure	Aluminium body = 210 bar (3050 psi) Steel body = 350 bar (5100 psi)					
Fluid	mineral based oil					
Viscosity	from 10 to 200 cSt					
Max. level of contamination	18/16/13 ISO4406					
Fluid temperature	with NBR seals from -20°C (-4°F) to 80°C (176°F)					
Environmental temp. for working conditions	from -40°C (-40°F) to 100°C (212°F)					
Weight	aluminium	1.26 kg (2.78 lb)	1.22 kg (2.69 lb)	2.49 kg (5.49 lb)	4.90 kg (10.80 lb)	5.19 kg (11.44 lb)
	steel	2.76 kg (6.08 lb)	2.79 kg (6.15 lb)	4.85 kg (10.69 lb)	9.73 kg (21.45 lb)	16.20 kg (35.71 lb)

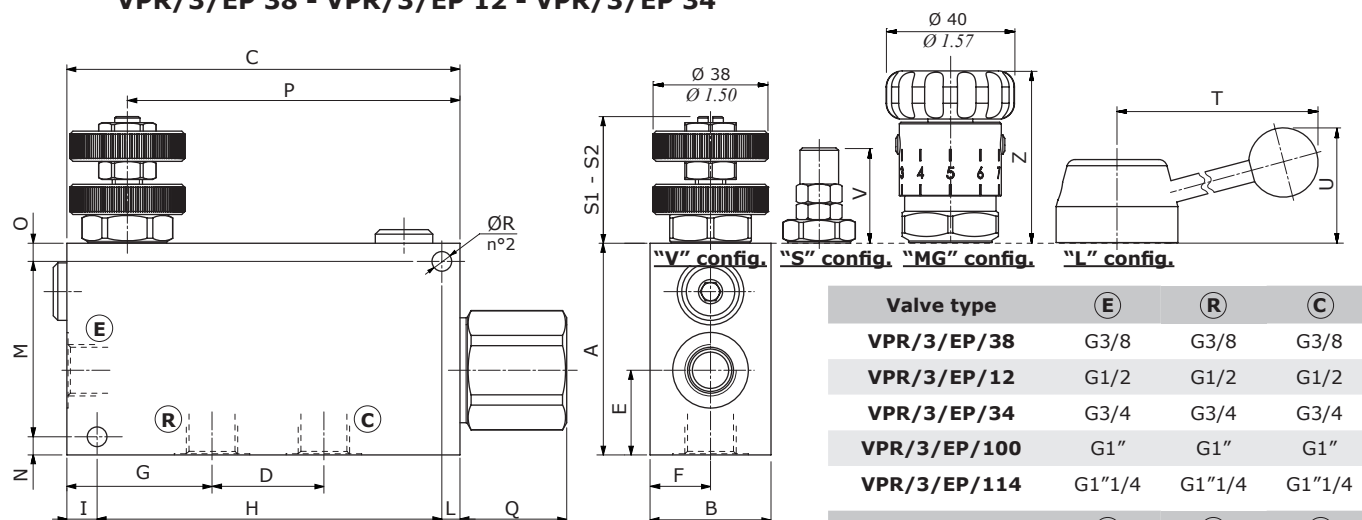
NOTE - For different conditions, please contact Walvoil Sales Dpt.

***"SB"** execution (sensibilized adjustment)

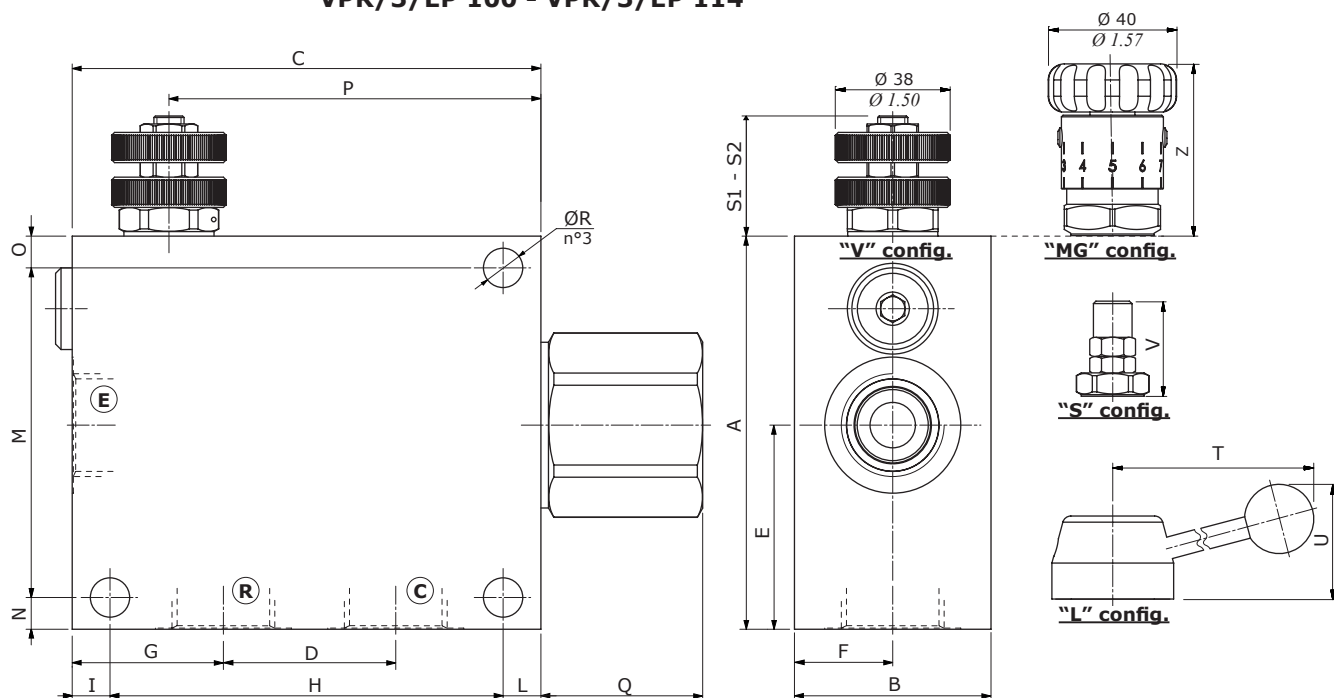


Dimensions

VPR/3/EP 38 - VPR/3/EP 12 - VPR/3/EP 34



VPR/3/EP 100 - VPR/3/EP 114



Flow control valves

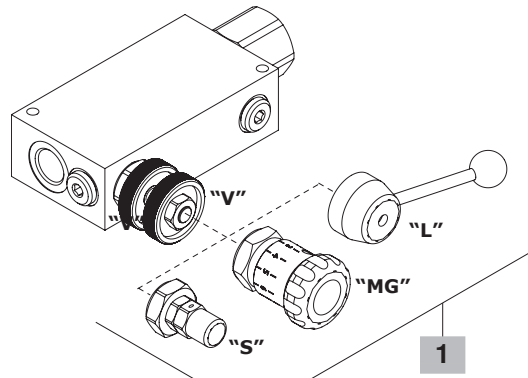
Flow control pressure compensated valves

VPR/3/EP

Ordering codes and description composition

Port size
VPR/3/EP 38/V

1



VPR/3/EP complete valves

TYPE	CODE	DESCRIPTION
Adjustment kit type "V" (handwheel)		
VPR/3/EP 38/V	1630021100	Aluminium body, 3/8 ports
VPR/3/EP 12/V	1630031100	Aluminium body, 1/2 ports
VPR/3/EP 34/V	1630041100	Aluminium body, 3/4 ports
VPR/3/EP 100/V	1630051100	Aluminium body, 1" ports
VPR/3/EP 114/V	1630061100	Aluminium body, 1 1/4 ports
VPR/3/EP 38/V/ac	1630022100	Steel body, 3/8 ports
VPR/3/EP 12/V/ac	1630032100	Steel body, 1/2 ports
VPR/3/EP 34/V/ac	1630042100	Steel body, 3/4 ports
VPR/3/EP 100/V/ac	1630052101	Steel body, 1" ports
VPR/3/EP 114/V/ac	1630062101	Steel body, 1 1/4 ports
VPR/3/EP 38/V/SAE	1630021200	Aluminium body, SAE8 ports
VPR/3/EP 12/V/SAE	1630031200	Aluminium body, SAE10 ports
VPR/3/EP 34/V/SAE	1630041200	Aluminium body, SAE12 ports
VPR/3/EP 100/V/SAE	1630051200	Aluminium body, SAE16 ports
VPR/3/EP 114/V/SAE	1630061200	Aluminium body, SAE20 ports
VPR/3/EP 34/V/SAE/ac	1630042200	Steel body, SAE12 ports
VPR/3/EP 100/V/SAE/ac	1630052200	Steel body, SAE16 ports
Adjustment kit type "MG" (handknob)		
VPR/3/EP 38/MG	1630021101	Aluminium body, 3/8 ports
VPR/3/EP 12/MG	1630031101	Aluminium body, 1/2 ports
VPR/3/EP 34/MG	1630041101	Aluminium body, 3/4 ports
VPR/3/EP 100/MG	1630051101	Aluminium body, 1" ports
VPR/3/EP 114/MG	1630061101	Aluminium body, 1 1/4 ports
Adjustment kit type "L" (lever)		
VPR/3/EP 38/L	1630021102	Aluminium body, 3/8 ports
VPR/3/EP 12/L	1630031102	Aluminium body, 1/2 ports
VPR/3/EP 34/L	1630041102	Aluminium body, 3/4 ports
VPR/3/EP 100/L	1630051102	Aluminium body, 1" ports
VPR/3/EP 114/L	1630061102	Aluminium body, 1 1/4 ports

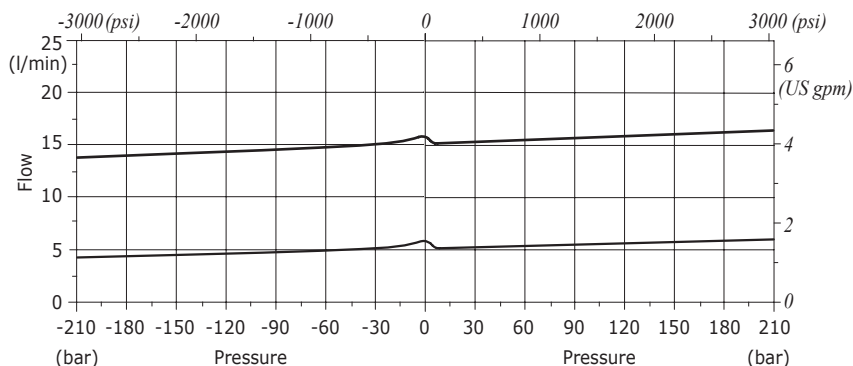
For other steel body configurations, SAE thread and configurations with FPM (Viton) seals, please contact our Sales Dpt.

1 Adjustment kit

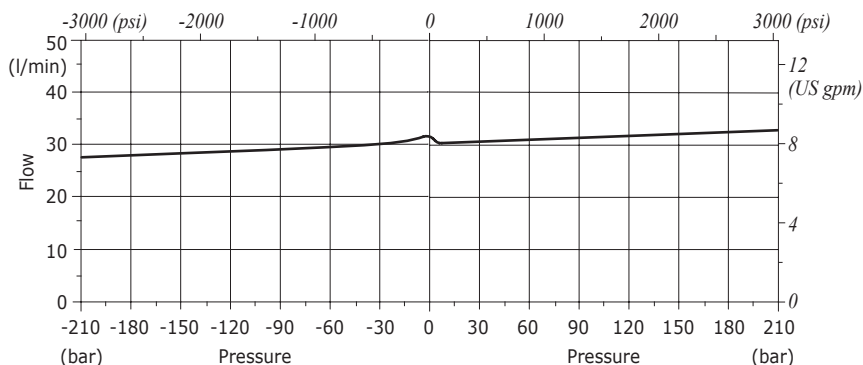
TYPE	CODE	DESCRIPTION
For VPR/3/EP 38 valve		
V.SB	5KT6200200	"V" handwheel type in "SB" configuration (sensibilized adjustment)
V	5KT6130200	"V" handwheel type
MG	5KT6200202	"MG" handknob type
S	5KT6200211	"S" screw type
For VPR/3/EP 12 valve		
V.SB	5KT6130301	"V" handwheel type in "SB" configuration (sensibilized adjustment)
V	5KT6130200	"V" handwheel type
MG	5KT6200202	"MG" handknob type
S	5KT6200211	"S" screw type
For VPR/3/EP 34-100 valves		
V	5KT6130401	"V" handwheel type
MG	5KT6200400	"MG" handknob type
S	5KT6130404	"S" screw type
V.SB	5KT6130402	"V" handwheel type in "SB" configuration (sensibilized adjustment)
For VPR/3/EP 114 valves		
V	5KT6340603	"V" handwheel type
MG	5KT6200605	"MG" handknob type
S	5KT6200604	"S" screw type

Rating diagrams

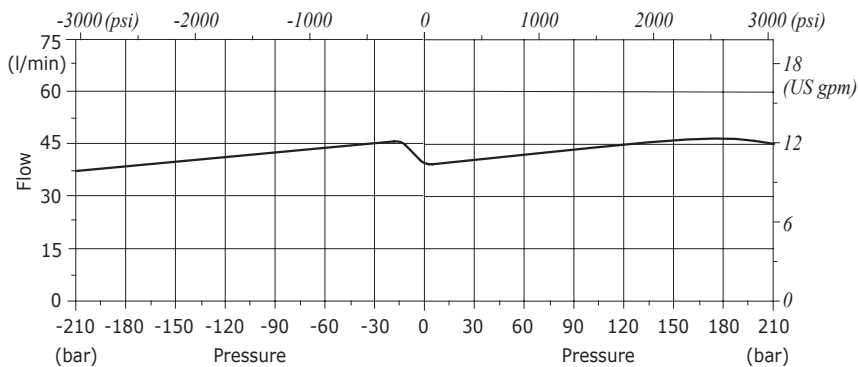
**VPR/3/EP 38 compensation diagram in C
changing the Δp between E and R**



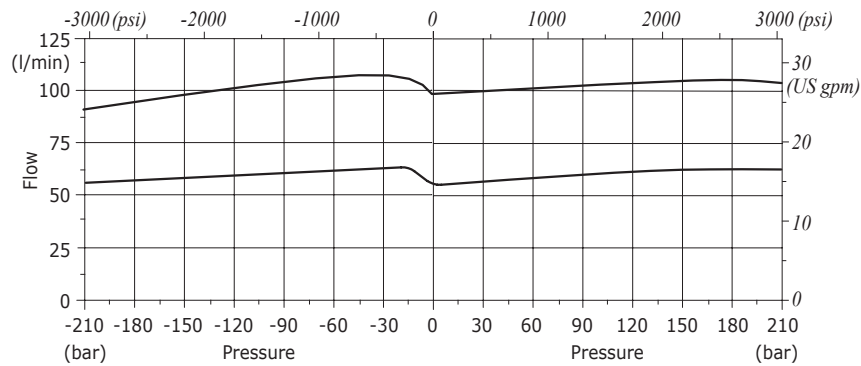
**VPR/3/EP 12 compensation diagram in C
changing the Δp between E and R**



**VPR/3/EP 34 compensation diagram in C
changing the Δp between E and R**



VPR/3/EP 100 compensation diagram in
C changing the Δp between E and R



VPR/3/EP 114 compensation diagram in
C changing the Δp between E and R

