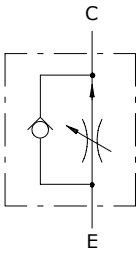
Type VPR/2/RL
flow control pressure compensated valves

- 2 way
- With reverse free - flow check

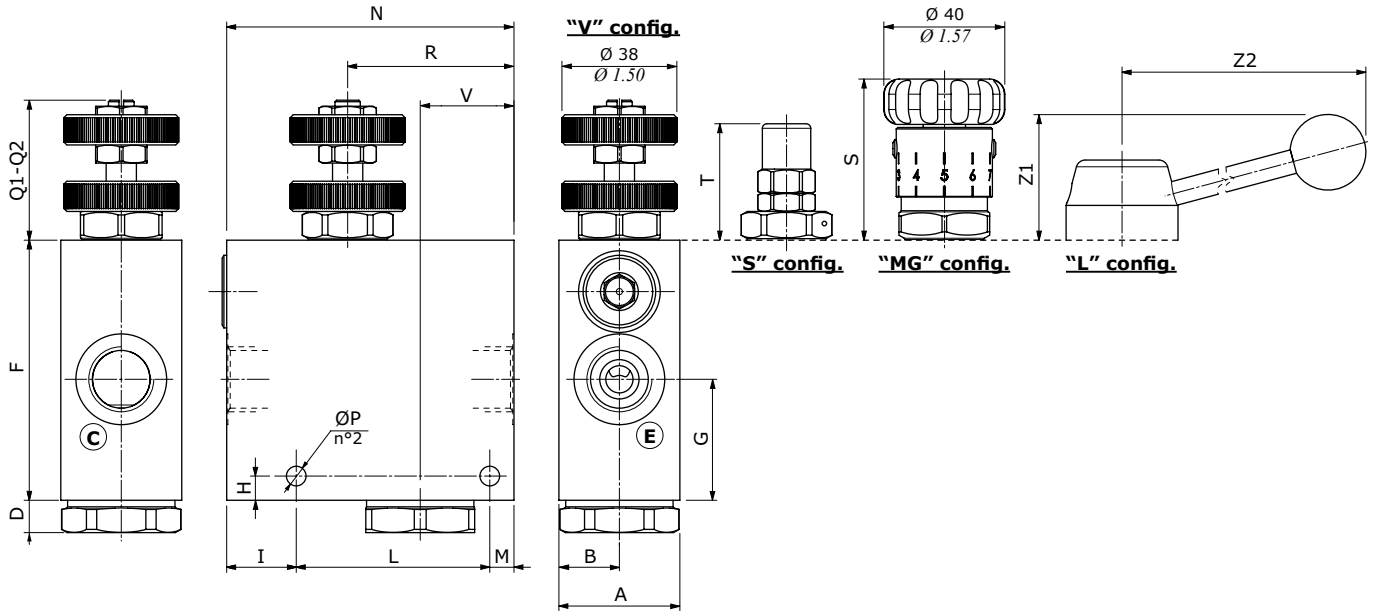
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VPR/2/RL 38	VPR/2/RL 12	VPR/2/RL 34	VPR/2/RL 100
Nominal flow **"Qc"**		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)*
Nominal 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)*
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 temperature for working conditions		from -40°C *(-40°F)* to 100°C *(212°F)*			
Weight	*aluminium*	1.09 kg *(2.40 lb)*	1.06 kg *(2.34 lb)*	2.15 kg *(4.73 lb)*	5.14 kg *(11.33 lb)*
	steel	2.41 kg *(5.31 lb)*	2.43 kg *(5.36 lb)*	4.60 kg *(10.14 lb)*	11.13 kg *(24.54 lb)*

NOTE - For different conditions, please contact Walvoil Sales Dpt.
***"SB"** execution (sensibilized adjustment)



Dimensions



Valve type	All ports
VPR/2/RL 38	G3/8
VPR/2/RL 12	G1/2
VPR/2/RL 34	G3/4
VPR/2/RL 100	G1"

Valve type	All ports
VPR/2/RL 38/SAE	SAE8
VPR/2/RL 12/SAE	SAE10
VPR/2/RL 34/SAE	SAE12

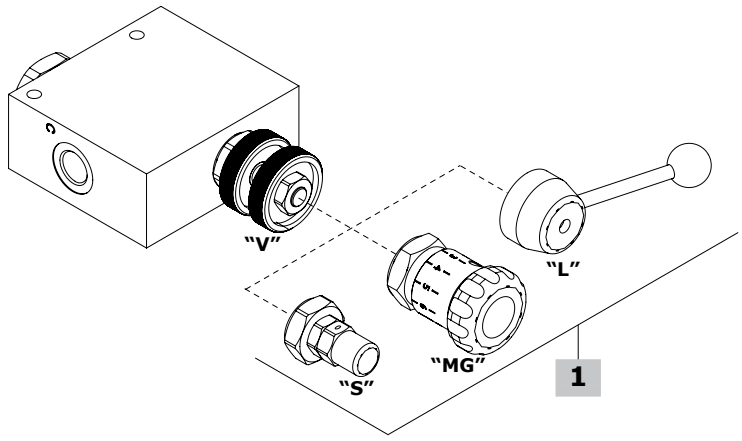
Dimensions are in mm-*in*

Valve type	A	B	D	F	G	H	I	L	M	N	ØP	Q1	Q2*	R	S	T	V	Z1	Z2
VPR/2/RL 38 **VPR/2/RL 38/SAE**	40 *1.57*	20 *0.78*	11 *0.43*	86 *3.38*	40 *1.57*	8 *0.31*	23 *0.90*	64 *2.51*	8 *0.31*	95 *3.74*	6.5 *0.25*	46.3 *1.82*	52.6 *2.07*	55 *2.16*	53.3 *2.10*	38.5 *1.51*	23 *0.91*	47.6 *1.87*	101.3 *3.99*
VPR/2/RL 12 **VPR/2/RL 12/SAE**	40 *1.57*	20 *0.78*	11 *0.43*	86 *3.38*	40 *1.57*	8 *0.31*	23 *0.90*	64 *2.51*	8 *0.31*	95 *3.74*	6.5 *0.25*	46.3 *1.82*	53.1 *2.09*	55 *2.16*	53.3 *2.10*	38.5 *1.51*	23 *0.91*	47.6 *1.87*	101.3 *3.99*
VPR/2/RL 34 **VPR/2/RL 34/SAE**	50 *1.97*	25 *0.98*	10.5 *0.41*	100 *3.94*	47 *1.85*	10 *0.39*	38 *1.50*	84 *3.31*	8 *0.31*	130 *5.12*	8.5 *0.33*	41.5 *1.73*	50.5 *1.99*	72 *2.83*	49.50 *1.95*	38.5 *1.51*	30 *1.18*	50.1 *1.97*	103.6 *4.08*
VPR/2/RL 100	70 *2.75*	35 *0.53*	13.5 *0.53*	140 *5.51*	58 *2.28*	10 *0.39*	50 *1.97*	100 *3.94*	10 *0.39*	160 *1.50*	10.5 *0.41*	52 *2.05*	-	91 *3.58*	52.5 *2.06*	41.5 *1.63*	37 *1.46*	50.5 *1.99*	107.3 *4.22*

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

Ordering codes and description composition

Port size
VPR/2/RL 38/V
1



VPR/2/RL complete valves

TYPE	CODE	DESCRIPTION
Adjustment kit type "V" (handwheel)		
VPR/2/RL 38/V	1611021100	Aluminium body, G3/8 ports
VPR/2/RL 12/V	1611031100	Aluminium body, G1/2 ports
VPR/2/RL 34/V	1611041100	Aluminium body, G3/4 ports
VPR/2/RL 100/V	1611051100	Aluminium body, G1" ports
VPR/2/RL 38/V/ac	1611022100	Steel body, G3/8 ports
VPR/2/RL 12/V/ac	1611032100	Steel body, G1/2 ports
VPR/2/RL 34/V/ac	1611042100	Steel body, G3/4 ports
VPR/2/RL 100/V/ac	1611052100	Steel body, G1" ports
VPR/2/RL 38/V/SAE	1611021200	Aluminium body, SAE8 ports
VPR/2/RL 12/V/SAE	1611031200	Aluminium body, SAE10 ports
VPR/2/RL 34/V/SAE	1611041200	Aluminium body, SAE12 ports
Adjustment kit type "MG" (handknob)		
VPR/2/RL 38/MG	1611021101	Aluminium body G3/8 ports
VPR/2/RL 12/MG	1611031101	Aluminium body G1/2 ports
VPR/2/RL 34/MG	1611041101	Aluminium body G3/4 ports
VPR/2/RL 100/MG	1611051101	Aluminium body G1" ports
Adjustment kit type "L" (lever)		
VPR/2/RL 38/L	1611021102	Aluminium body G3/8 ports
VPR/2/RL 12/L	1611031102	Aluminium body G1/2 ports
VPR/2/RL 34/L	1611041102	Aluminium body G3/4 ports
VPR/2/RL 100/L	1611051102	Aluminium body G1" ports

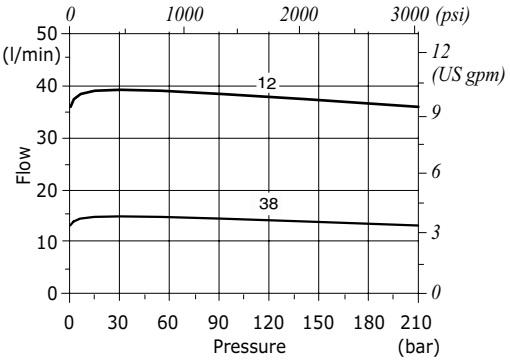
For other steel body configurations, SAE thread and configurations with FPM (Viton) seals, please contact our Sales Dpt.

1 Adjustment kit

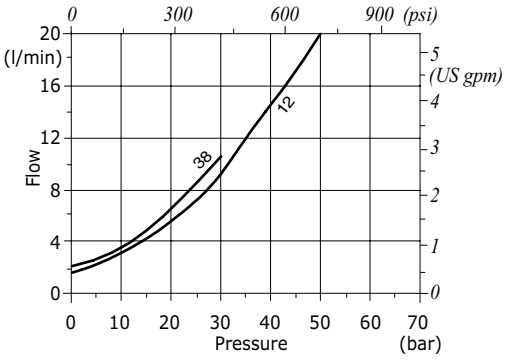
TYPE	CODE	DESCRIPTION
For VPR/2/RL 38 valve		
V.SB	5KT6200200	"V" handwheel type in "SB" configuration (sensibilized adjustment)
V	5KT6130200	"V" handwheel type
MG	5KT6200202	"MG" handknob type
S	5KT6200211	"S" screw type
For VPR/2/RL 12 valve		
V.SB	5KT6130301	"V" handwheel type in "SB" configuration (sensibilized adjustment)
V	5KT6130200	"V" handwheel type
MG	5KT6200202	"MG" handknob type
S	5KT6200211	"S" screw type
For VPR/2/RL 34 valve		
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/2/RL 100 valve		
V	5KT6340603	"V" handwheel type
MG	5KT6200605	"MG" handknob type
S	5KT6200604	"S" screw type

Rating diagrams

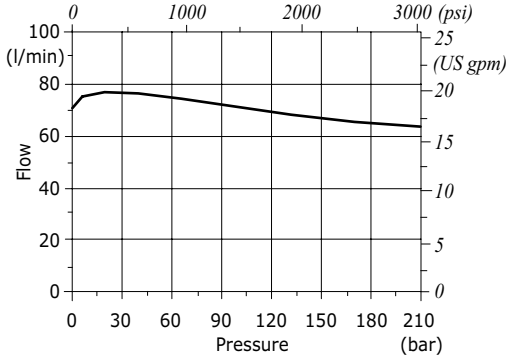
VPR/2/RL (12-38) pressure compensation diagram (E→C)



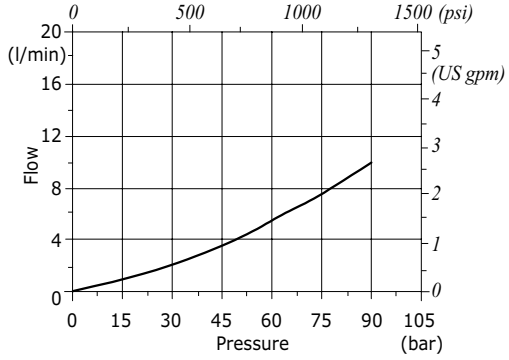
VPR/2/RL (12-38) pressure drop vs. flow (C→E)



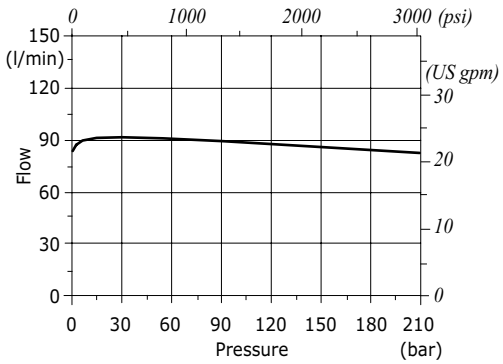
VPR/2/RL 34 pressure compensation diagram (E→C)



VPR/2/RL 34 pressure drop vs. flow (C→E)



VPR/2/RL 100 pressure compensation diagram (E→C)



VPR/2/RL 34 pressure drop vs. flow (C→E)