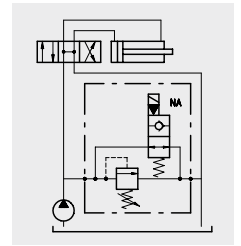


Operation

Pilot operated with venting for the 12 (34) and direct acting for the 14 (38).
The valve Allows oil flow from P to T when pressure in P reaches the setting of the spring. Pick the solenoid UP (for NC types) or DOWN (for NA types) to allow for free oil flow from P into T.



Performance

Body Valves

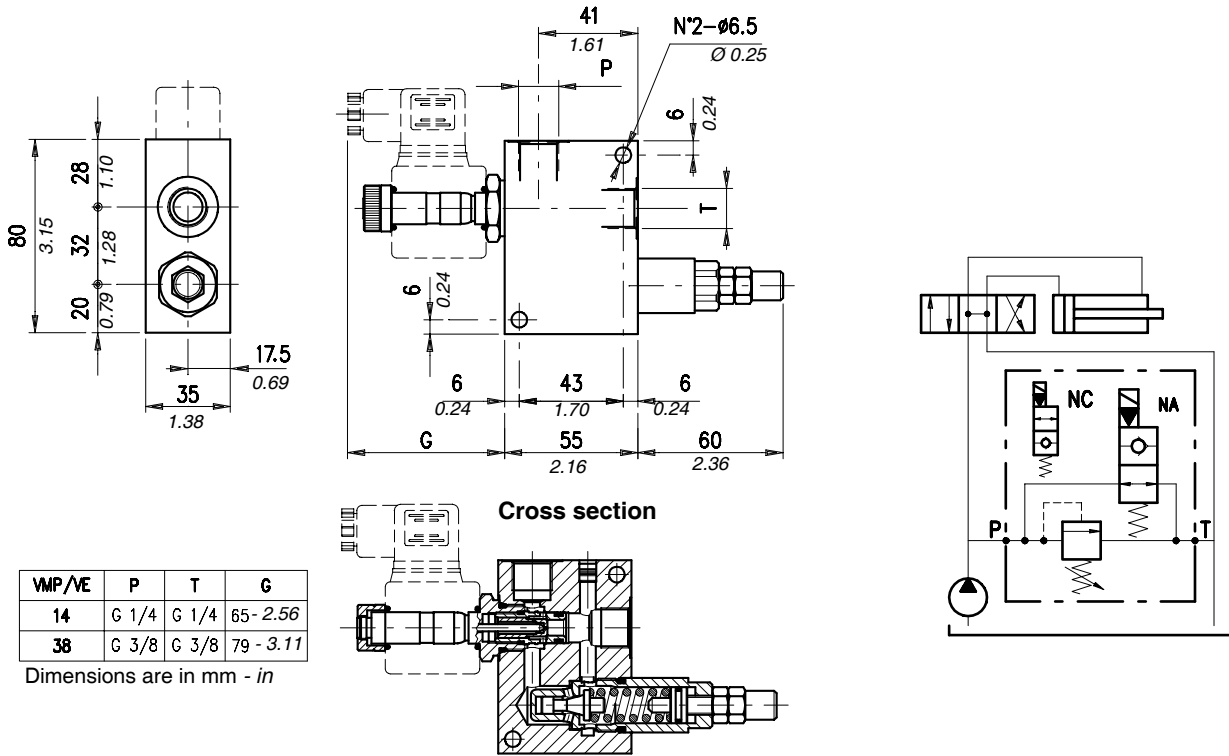
Type VMP/VE	Max. flow		Max. pres.		Application range with standard spring*	Hysteresis	Coils	Oil leaks from P to T	Weight		Cartridge
	l/min	US gpm	bar	psi					kg	lb	
VMP/VE 14 (38)	(14) 20 (38) 35	(14) 5.3 (38) 9.2	210 aluminium body 350 steel body	3050 5100	5±40 bar - 72.5±580 psi (test setting 30 bar - 435 psi at 5 l/min. - 1.32 US gpm) 20±80 bar - 290±1150 psi (test setting 60 bar - 870 psi at 5 l/min. - 1.32 US gpm) 5±220 bar - 72.5±3200 psi (test setting 160 bar - 2300 psi at 5 l/min. - 1.32 US gpm) 180±350 bar - 2600±5100 psi (test setting 250 bar - 3600 psi at 5 l/min. - 1.32 US gpm)	90% of the setting value for flow capacity 1 l/min. -0.26 US gpm-	VMP/VE 14 (210 bar - 3050 psi): see BE VMP/VE 14 (350 bar - 5100 psi) and VMP/VE 38: see BT	disregardable	aluminium body 0,60 steel body 1,13	alum. body 1.32 steel body 2.49	VMP5Y VMP/VE 14 (210 bar - 3050 psi): EC08A VMP/VE 14 (350 bar - 5100 psi-) EC08A and VMP/VE 38: EC08B
VMP/VE 12 (34)	90	24			5±50 bar - 72.5±725 psi (test setting 30 bar - 435 psi at 5 l/min. - 1.32 US gpm) 50±200 bar - 725±2900 psi (test setting 160 bar - 2300 psi at 5 l/min. - 1.32 US gpm) 150±350 bar - 2200±5100 psi (test setting 250 bar - 3600 psi at 5 l/min. - 1.32 US gpm-)		VMP/VE 12-34 (210 bar-3050 psi) see BE VMP/VE 12-34 (350 bar-5100 psi) see BT		aluminium body 1,20 steel body 2,50	alum. body 2.64 steel body 5.51	MC08A (210 bar - 350 psi): EC08A (350 bar - 5100 psi): EC08B
VMP/VE 100 (114)	(100) 150 (114) 250	(100) 40 (114) 66			VMP/VE 100-114/ (210 bar - 3050 psi) see BE VMP/VE 100-114 BT/ (350 bar - 5100 psi) see BT		aluminium body 1,92 (VMP/VE 100) 3,13 (VMP/VE 114) steel body 3,92 (VMP/VE 100) 7,63 (VMP/VE 114)		alum. body 23 6.9 steel body 8.64 16.82		

*To perform setting of the valve see the pressure drop/ flow diagram.

Type VMP/VE 14 (38)

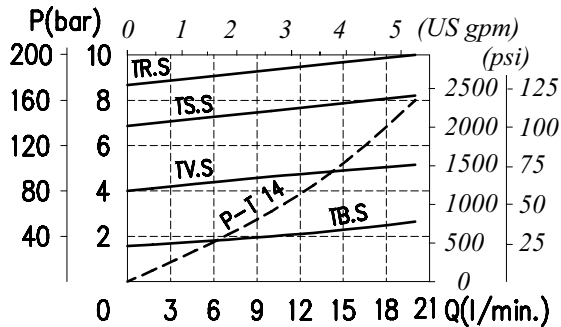
Pressure relief valve with electric bypass

Dimensions and hydraulic circuit

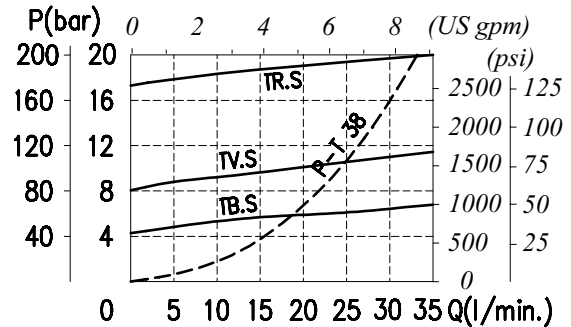


Rating diagrams

Typical pressure drop vs. flow characteristic



Typical pressure drop vs. flow characteristic

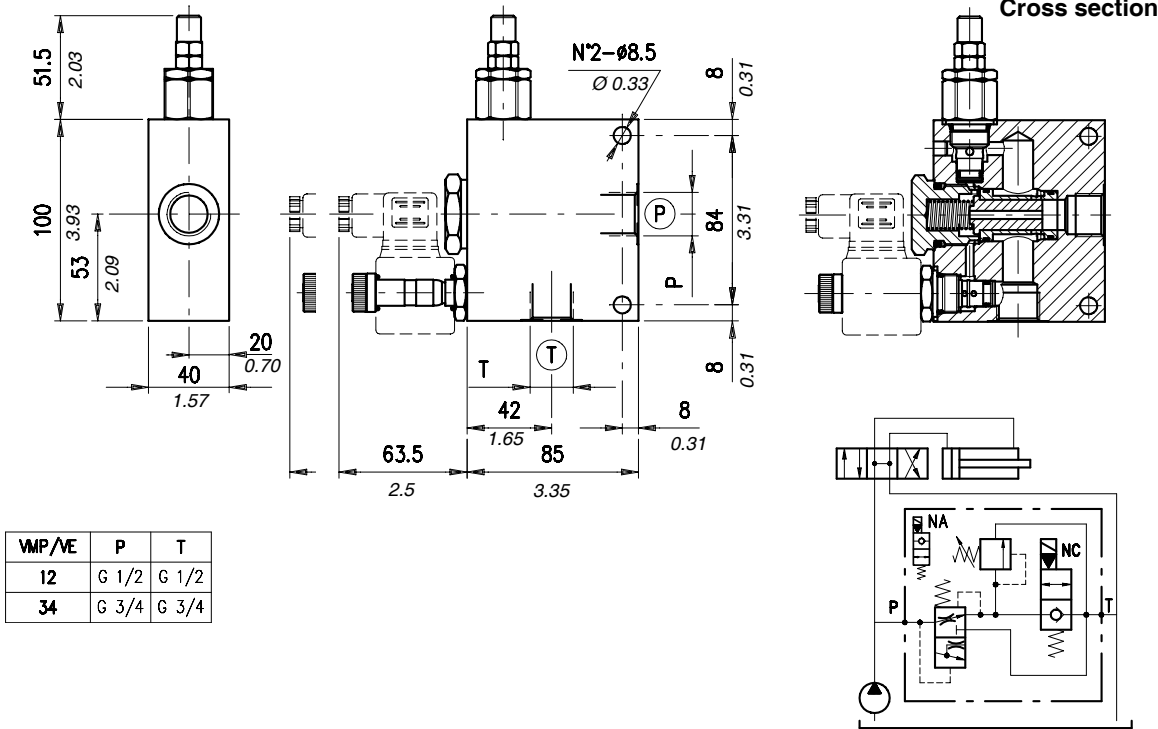


Order code

VMP / VE 00 / 00 / 00 . 0 / 00

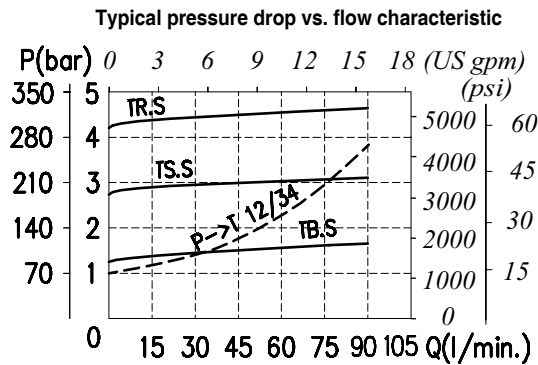
Port size	Assembly scheme	Pressure settings	Adjustment (see page 105)	Body material
14) G 1/4 38) G 3/8	NA) Normally opened NC) Normally closed	TB) 5÷40 bar (72.5÷580 psi) TV) 20÷80 bar (290÷1150 psi) TS) 50÷220 bar (725÷3200 psi) TR) 180÷350 bar (2600÷5100 psi)	S (screw) V (handknob) W (capped adjustment)	_ Aluminium ac Steel

Dimensions and hydraulic circuit



VMP/VE	P	T
12	G 1/2	G 1/2
34	G 3/4	G 3/4

Rating diagrams



Order code

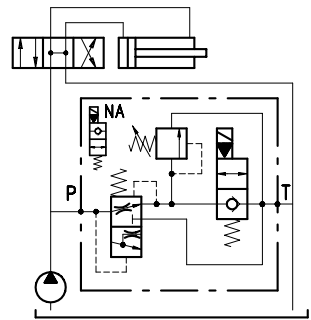
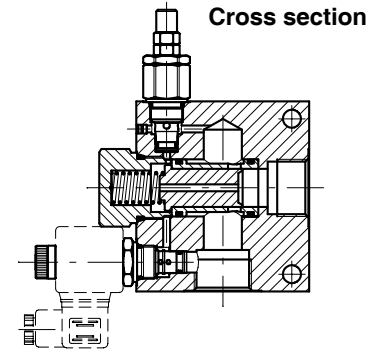
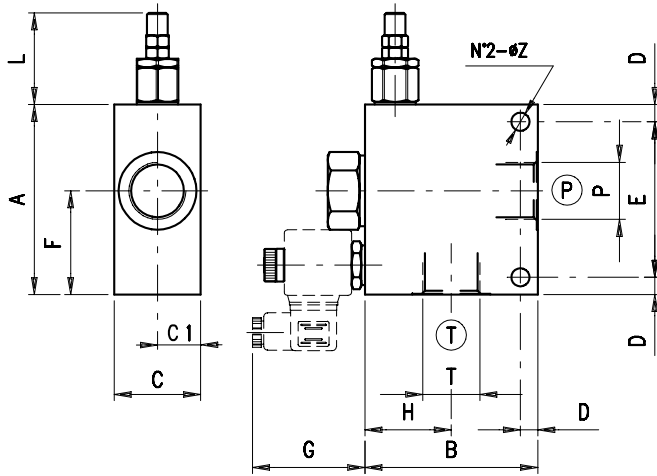
VMP /VE 00 / 00 / 00 . 0 / 00

Port size	Assembly scheme	Pressure settings	Adjustment (see page 105)	Body material
12) G 1/2 34) G 3/4	NA) Normally opened NC) Normally closed	TB) 5+50 bar (72.5÷725 psi) TS) 50+220 bar (725÷3200 psi) TR) 180+350 bar (2600÷5100 psi)	S (screw) V (handknob) W (capped adjustment)	_ Aluminium ac Steel

Type VMP/VE 100 (114)

Pressure relief valve with electric bypass

Dimensions and hydraulic circuit

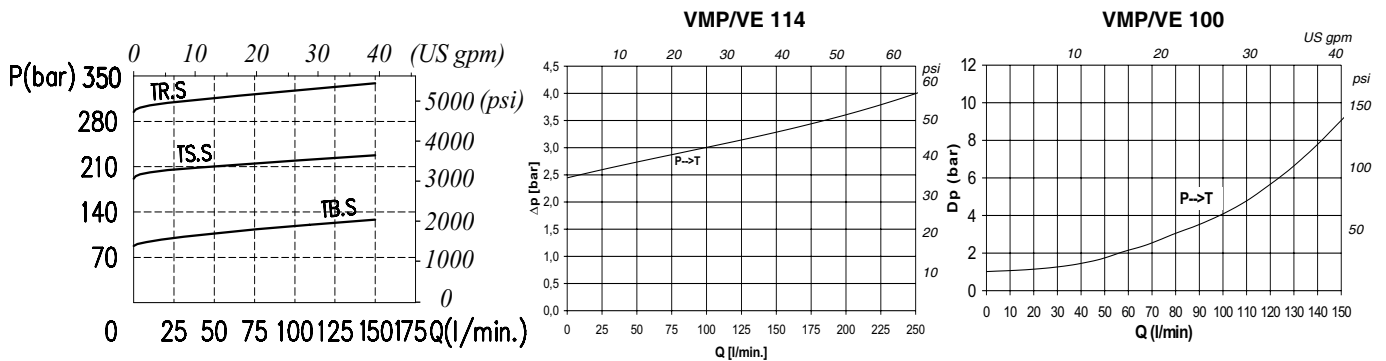


VMP/VE	P	T	A	B	C	C1	D	E	F	G	H	L	Z
100	G 1	G 1	110 - 4.33	100 - 3.94	50 - 1.97	25 - 0.98	10 - 0.04	90 - 3.54	60 - 2.36	65 - 2.56	50 - 1.97	53 - 2.09	10.5 - 0.41
114	G 1 1/4	G 1 1/4	130 - 5.12	130 - 5.12	70 - 2.75	35 - 2.75	12 - 0.47	106 - 4.17	72 - 2.83	65 - 2.56	62 - 2.44	53 - 2.09	12.5 - 0.49

Dimensions are in mm - in

Rating diagrams

Typical pressure drop vs. flow characteristic



Order code

VMP / VE □ / □ / □ . □ / □

