



Type VEP two pump "high-low" unloading valves

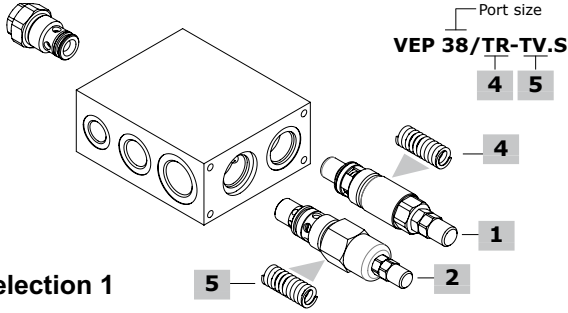
- Single acting
- "High-low pressure"

Port size
VEP 38/TR-TV.S

Type	Selection 1	Selection 2	Nominal flow l/min(US gpm)			Max. pressure bar(psi)	ports	weight Kg(lb)
			Ap	Bp	U			
VEP 38	TS/TR	TB/TV	10(2.6)	25(6.6)	30(7.9)	210(3050)	As Dimensions	1.20(2.64)
VEP 38 ac			10(2.6)	25(6.6)	30(7.9)	350(5100)		2.63(5.80)
VEP 38/SAE			10(2.6)	25(6.6)	30(7.9)	210(3050)		1.20(2.64)
VEP 38/SAE ac			10(2.6)	25(6.6)	30(7.9)	350(5100)		2.63(5.80)
VEP 12			20(5.3)	45(11.9)	55(14.5)	210(3050)		2.05(4.52)
VEP 12 ac			20(5.3)	45(11.9)	55(14.5)	350(5100)		4.50(9.92)
VEP 12/SAE			20(5.3)	45(11.9)	55(14.5)	210(3050)		2.05(4.52)
VEP 12/SAE ac			20(5.3)	45(11.9)	55(14.5)	350(5100)		4.50(9.92)
VEP 34			30(7.9)	80(21.1)	100(26.4)	210(3050)		3.70(8.16)
VEP 34 ac			30(7.9)	80(21.1)	100(26.4)	350(5100)		9.37(20.66)
VEP 34/SAE			30(7.9)	80(21.1)	100(26.4)	210(3050)		3.70(8.16)
VEP 34/SAE ac			30(7.9)	80(21.1)	100(26.4)	350(5100)		9.37(20.66)
VEP 100			50(13.2)	150(39.6)	180(47.6)	210(3050)		5.92(13.05)
VEP 100 ac			50(13.2)	150(39.6)	180(47.6)	350(5100)		14.48(31.92)
VEP 100/SAE			50(13.2)	150(39.6)	180(47.6)	210(3050)		5.92(13.05)
VEP 100/SAE ac			50(13.2)	150(39.6)	180(47.6)	350(5100)		14.48(31.92)
VEP 114			80(21.1)	200(52.8)	250(66)	210(3050)		11.67(25.72)
VEP 114 ac			80(21.1)	200(52.8)	250(66)	350(5100)		19.50(42.99)
VEP 114/SAE			80(21.1)	200(52.8)	250(66)	210(3050)		11.67(25.72)
VEP 114/SAE ac			80(21.1)	200(52.8)	250(66)	350(5100)		19.50(42.99)

Hydraulic diagram	Type	Execution	Operation/ Features	Max. flow up to		Max.press. up to	
				l/min	US gpm	bar	psi
	VEP		single acting	250	66	210 alum. body 350 steel body	3050 alum. body 5100 steel body

Ordering codes and description



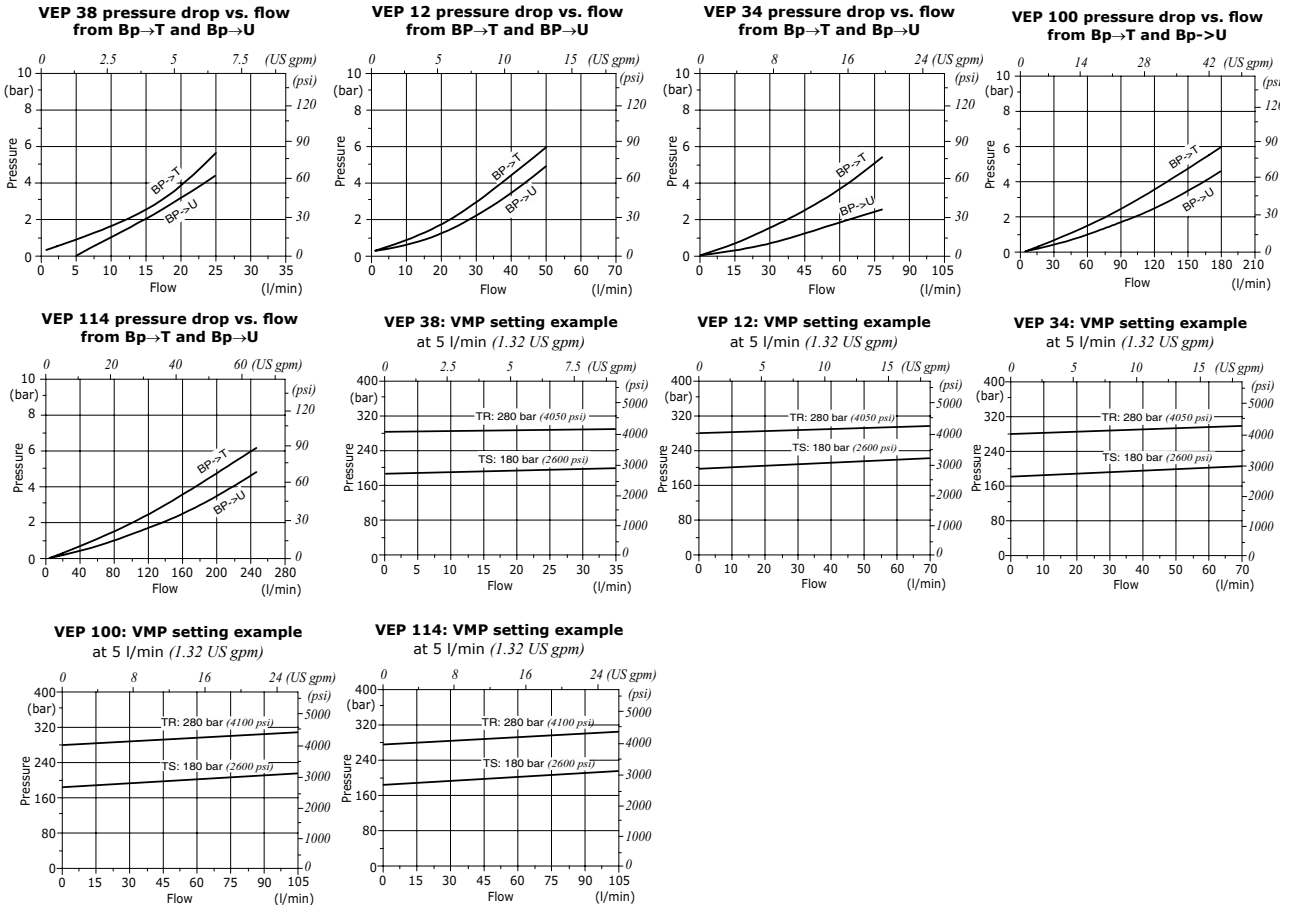
Selection 1

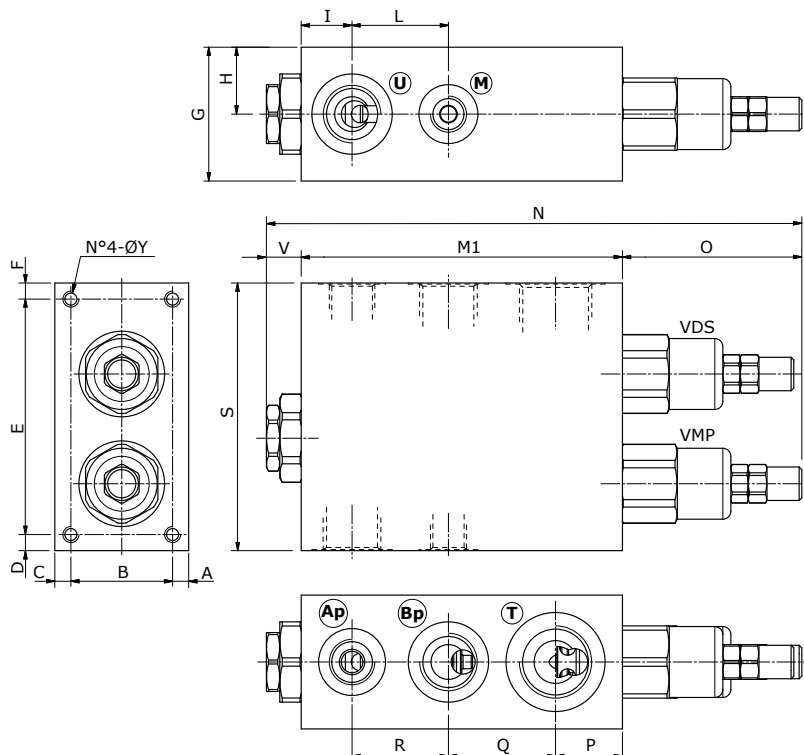
TYPE	Setting range
For VMP 5 valve on VEP 38 complete valve (Ap)	
TS	50-220 bar (725-3200 psi)
TR	180-350 bar (2600-5100 psi)
For VMP 10 valve on VEP 12 and VEP 34 complete valves (Ap)	
TS	50-220 bar (725-3200 psi)
TR	180-350 bar (2600-5100 psi)
For VMP 20 valve on VEP 100 and 114 complete valves (Ap)	
TS	50-220 bar (725-3200 psi)
TR	180-350 bar (2600-5100 psi)

Selection 2

TYPE	Setting range
For VDS/VEP 38 valve on VEP 38 complete valve (Bp)	
TB	5-40 bar (72.5-580 psi)
TV	20-80 bar (290-1150 psi)
For VDS/VEP 12 valve on VEP 12 complete valve (Bp)	
TV	5-80 bar (72.5-1150 psi)
For VDS/VEP 34 valve on VEP 34 complete valve (Bp)	
TB	10-50 bar (145-725 psi)
TV	10-80 bar (145-1150 psi)
For VDS/VEP 100 valve on VEP 100 complete valve (Bp)	
TB	5-40 bar (72.5-580 psi)
TV	20-80 bar (290-1150 psi)
For VDS/VEP 114 valve on VEP 114 complete valve (Bp)	
TB	5-40 bar (72.5-580 psi)
TV	20-80 bar (290-1150 psi)

Dimensions



Dimensions


Valve type	U	M	T	Ap	Bp
VEP 38	G3/8	G1/4	G1/2	G1/4	G3/8
VEP 12	G1/2	G1/4	G3/4	G3/8	G1/2
VEP 34	G3/4	G1/4	G1"	G1/2	G3/4
VEP 100	G1"	G1/4	G1"1/4	G3/4	G1"
VEP 114	G1"1/4	G1/4	G1"1/2	G3/4	G1"1/4

Valve type	U	M	T	Ap	Bp
VEP 38/SAE	SAE8	SAE6	SAE10	SAE6	SAE8
VEP 12/SAE	SAE10	SAE6	SAE12	SAE8	SAE10
VEP 34/SAE	SAE12	SAE6	SAE16	SAE10	SAE12
VEP 100/SAE	SAE16	SAE6	SAE20	SAE12	SAE16
VEP 114/SAE	SAE20	SAE6	SAE24	SAE12	SAE20

Dimensions are in mm-in

Valve type	A	B	C	D	E	F	G	H	I	L	M1	N	O	ØY	P	Q	R	S	V
VEP 38	6	28	6	6	78	6	40	20	17	28	98	168.5	60		20	33	29	90	10.5
VEP 38/SAE	0.24	1.10	0.24	0.24	3.07	0.24	1.57	0.79	0.67	1.10	3.85	6.63	2.36	M6	0.79	1.30	1.14	3.54	0.41
VEP 12	6	38	6	6	88	6	50	25	19	36	120	200	67		25	40	36	100	13
VEP 12/SAE	0.24	1.50	0.24	0.24	3.46	0.24	1.97	0.98	0.75	1.42	4.72	7.87	2.64	M6	0.98	1.57	1.42	3.94	0.51
VEP 34	8	44	8	8	114	8	60	30	30	40	150	243	76.5		28	52	40	130	16.5
VEP 34/SAE	0.31	1.73	0.31	0.31	4.49	0.31	2.36	1.18	1.18	1.57	5.90	9.57	3.01	M8	1.10	2.05	1.57	5.11	0.65
VEP 100	10	50	10	10	130	10	70	35	30	70	180	285	88.5		32	60	58	150	16.5
VEP 100/SAE	0.39	1.97	0.39	0.39	5.11	0.39	2.75	1.38	1.18	2.75	7.09	11.22	3.48	M6	1.26	2.36	2.28	5.90	0.65
VEP 114	10	60	10	10	160	10	80	40	40	80	200	304	88.5		35	70	60	180	15.5
VEP 114/SAE	0.39	2.36	0.39	0.39	6.3	0.39	3.15	1.57	1.57	3.15	7.87	11.97	3.48	M8	1.38	2.75	2.34	7.09	0.61