

## Type VE/B/VMP/VUI/SR directional solenoid valves

- Single acting cylinder

Port size   
**VE/B/VMP/VUI/SR 14/NA/TS.S**

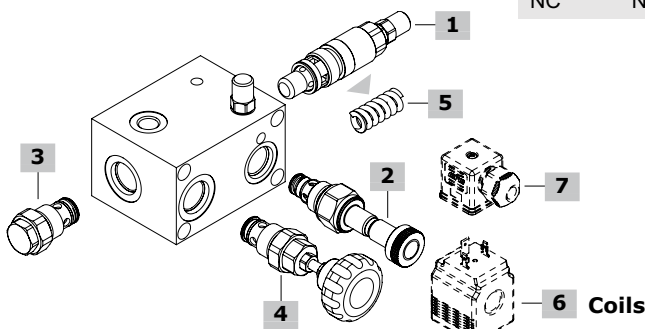
Type	Selection 1	Selection 2	Nominal flow	Max. pressure	ports	weight
			l/min(US gpm)	bar(psi)		Kg(lb)
VE/B/VMP/ VUI/SR 14	NA/NC	TB/TV/TS /TR	20(5.3)	210(3050)	All G1/4	1.32(2.91)
VE/B/VMP/ VUI/SR 14 ac			20(5.3)	350(5100)	All G1/4	2.65(5.84)
VE/B/VMP/ VUI/SR 38			35(9.2)	210(3050)	All G3/8	1.32(2.91)
VE/B/VMP/ VUI/SR 38 ac			35(9.2)	350(5100)	All G3/8	2.65(5.84)
VE/B/VMP/ VUI/SR 12			65(17.2)	210(3050)	All G1/2	3.01(6.64)
VE/B/VMP/ VUI/SR 12 ac			65(17.2)	350(5100)	All G1/2	3.19(7.03)
VE/B/VMP/ VUI/SR 34			70(18.5)	210(3050)	All G3/4	3.01(6.64)
VE/B/VMP/ VUI/SR 34 ac			70(18.5)	350(5100)	All G3/4	3.19(7.03)
VE/B/VMP/ VUI/SR 100			150(39.6)	210(3050)	All G1"	5.00(11.02)
VE/B/VMP/ VUI/SR 100 ac			150(39.6)	350(5100)	All G1"	10.03(22.11)

Hydraulic diagram	Type	Execution	Operation/ Features	Max. flow up to		Max.press. up to	
				l/min	US gpm	bar	psi
	VE/B/VMP/VUI/SR		block for single acting cylinder	150	39.6	210 alum. body 350 steel body	3050 alum.body 5100 steel body

### Ordering codes and description

Port size   
**VE/B/VMP/VUI/SR 14/NA/TS.S**

3
4
2
5
1



#### Selection 1

Type	DESCRIPTION
NA	Normally open valve
NC	Normally closed valve

#### Selection 2

Type	Setting range
	bar (psi)
TB	5-40 (72.5-580)
TV	20-80(290-1150)
TS	50-220(725-3200)
TR	180-350(2600-5075)

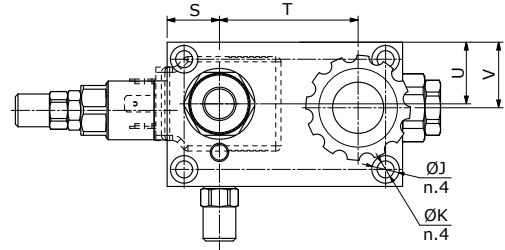
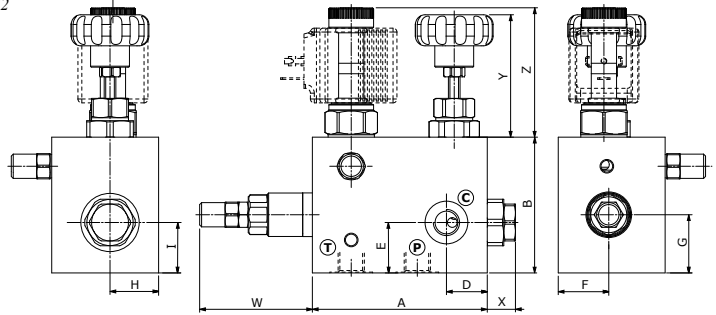
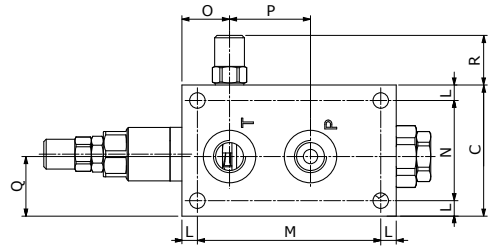
## Dimensions

Dimensions are in mm-in

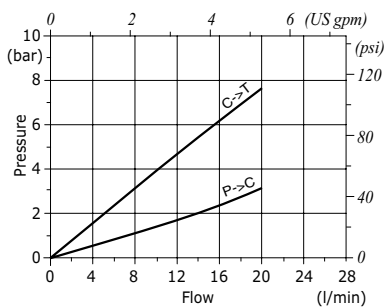
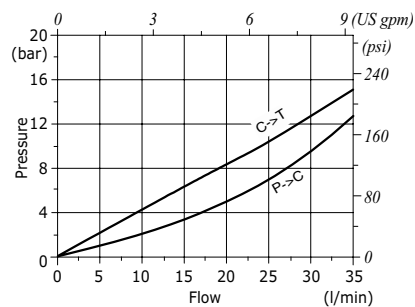
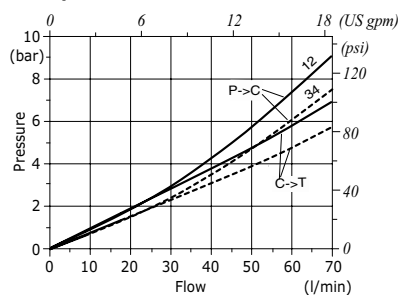
Valve type	A	B	C	D	E	F	G	H
<b>VE/B/VMP/ VUI/SR 14</b>	90 3.54	70 2.76	55 2.17	21 0.83	26 1.02	26 1.02	30 1.18	25 0.98
<b>VE/B/VMP/ VUI/SR 38</b>	90 3.54	70 2.76	55 2.17	22 0.87	26 1.02	26 1.02	30 1.18	25 0.98
<b>VE/B/VMP/ VUI/SR 12</b>	115 4.53	100 3.94	70 2.76	28 1.10	38.5 1.53	32 1.26	38.5 1.53	32 1.26
<b>VE/B/VMP/ VUI/SR 34</b>	115 4.53	100 3.94	70 2.76	30 1.18	38.5 1.53	32 1.26	38.5 1.53	32 1.26
<b>VE/B/VMP/ VUI/SR 100</b>	150 5.91	120 4.72	80 3.15	37 1.46	45 1.77	36 1.42	45 1.77	36 1.42

Valve type	I	J	K	L	M	N	O	P
<b>VE/B/VMP/ VUI/SR 14</b>	26 1.02	10.5 0.413	6.5 0.256	6.5 0.256	77 3.03	42 1.65	20 0.79	34 1.34
<b>VE/B/VMP/ VUI/SR 38</b>	26 1.02	10.5 0.413	6.5 0.256	6.5 0.256	77 3.03	42 1.65	20 0.79	34 1.34
<b>VE/B/VMP/ VUI/SR 12</b>	38.5 1.53	13.5 0.531	8.5 0.335	8.5 0.335	98 3.86	53 2.09	29 1.14	41 1.61
<b>VE/B/VMP/ VUI/SR 34</b>	38.5 1.53	13.5 0.531	8.5 0.335	8.5 0.335	98 3.86	53 2.09	29 1.14	41 1.61
<b>VE/B/VMP/ VUI/SR 100</b>	45 1.77	16.5 0.65	10.5 0.413	10 0.394	130 5.12	60 2.36	27 1.06	60 2.36

	Q	R	S	T	U	V	W	X	Y	Z	
										(NA)	(NC)
25	20.8	20	53	23.5	25	58	14.5	63	66.7	62.8	
0.98	0.82	0.79	2.09	0.93	0.98	2.28	0.571	2.48	2.63	2.47	
25	20.8	20	53	23.5	25	58	14.5	63	66.7	62.8	
0.98	0.82	0.79	2.09	0.93	0.98	2.28	0.571	2.48	2.63	2.47	
29	23.8	29	61	29	29	56.5	11	72.5	86.4	81	
1.14	0.94	1.14	2.40	1.14	1.14	2.22	0.433	2.85	3.40	3.19	
29	23.5	29	61	29	29	56.5	11	72.5	86.4	81	
1.14	0.93	1.14	2.40	1.14	1.14	2.22	0.433	2.85	3.40	3.19	
36	23.5	27	91	36	36	71	16.5	83	79.4	74.2	
1.42	0.93	1.06	3.58	1.42	1.42	2.80	0.65	3.27	3.13	2.92	



## Rating diagrams

**VE/B/VMP/VUI/SR 14 pressure drop vs. flow from P→C - C→T**

**VE/B/VMP/VUI/SR 38 pressure drop vs. flow from P→C - C→T**

**VE/B/VMP/VUI/SR (12-34) pressure drop vs. flow from P→C - C→T**

**VE/B/VMP/VUI/SR 100 pressure drop vs. flow from P→C - C→T**
