

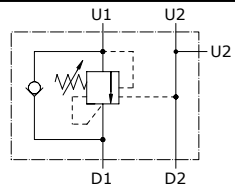


Type VOSL counterbalance valves

- Single acting
- Load sensitive

VOSL 38/TR.S.p4

Type	Selection 1	Selection 2	Nominal flow	Max. pressure	ports	weight
			l/min(US gpm)	bar(psi)		Kg(lb)
VOSL 38	TR.S	p4/p7	35(9.2)	210(3050)	All G3/8	0.78(1.71)
VOSL 38 ac			35(9.2)	350(5100)	All G3/8	1.52(3.35)
VOSL 12			70(18.4)	210(3050)	All G1/2	1.00(2.20)
VOSL 12 ac			70(18.4)	350(5100)	All G1/2	1.95(4.29)
VOSL 34			100(26.4)	210(3050)	All G3/4	1.85(4.07)
VOSL 34 ac			100(26.4)	350(5100)	All G3/4	3.55(7.82)
VOSL 100			180(47.6)	210(3050)	All G1"	3.26(7.18)
VOSL 100 ac			180(47.6)	350(5100)	All G1"	7.07(15.5)

Hydraulic diagram	Type	Execution	Operation/Features	Max. flow up to		Max.press. up to	
				l/min	US gpm	bar	psi
	VOSL	single acting	load sensitive	180	47.6	210 alum. body 350 steel body	3050 alum. body 5100 steel body

Ordering codes and description

Selection 1

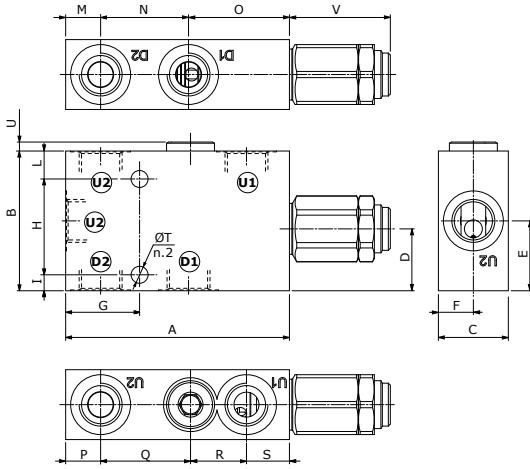
TYPE	DESCRIPTION
p4	pilot ratio 1:4
p7	pilot ratio 1:7

Selection 2

TYPE	DESCRIPTION
TR.S	range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm)

VOSL

Dimensions

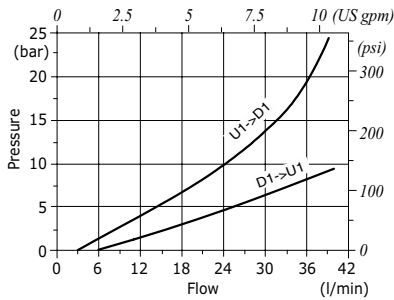


Dimensions are in mm-in

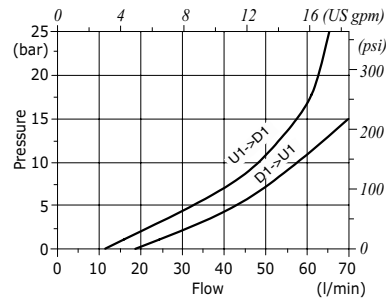
Valve type	A	B	C	D	E	F	G	H	I	
VOSL 38	105 4.13	65 2.56	30 1.18	27 1.06	32.5 1.30	15 0.59	34 1.34	40 1.57	8 0.315	
VOSL 12	112 4.41	70 2.76	35 1.38	31 1.22	35 1.38	17.5 0.69	37 1.46	48 1.89	8 0.315	
VOSL 34	140 5.51	90 3.54	40 1.57	36 1.42	45 1.77	20 0.79	52 2.05	70 2.76	10 0.394	
VOSL 100	174 6.85	100 3.64	60 2.36	37 1.46	50 1.97	37 1.46	64 2.52	80 3.15	10 0.394	
L	M	N	O	P	Q	R	S	ØT	U	V
17 0.67	16 0.63	38 1.50	51 2.01	16 0.63	38 1.50	29 1.14	22 0.87	8.5 0.335	4.5 0.177	52 2.05
14 0.55	17.5 0.69	44 1.73	50.5 1.99	17.5 0.69	45 1.77	28 1.10	21.5 0.85	8.5 0.335	4.5 0.177	57 2.24
10 0.394	22 0.87	53 2.09	65 2.56	22 0.87	53 2.09	35 1.38	30 1.18	10.5 0.413	5.5 0.217	66 2.60
10 0.394	32 1.26	66 2.60	76 2.99	32 1.26	66 2.60	46 1.81	30 1.18	10.5 0.413	12.5 0.492	66 2.60

Rating diagrams

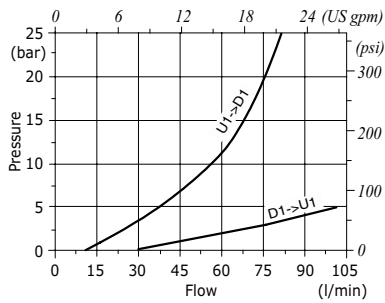
VOSL 38 pressure drop vs. flow from D1->U1 and U1->D1



VOSL 12 pressure drop vs. flow from D1->U1 and U1->D1



VOSL 34 pressure drop vs. flow from D1->U1 and U1->D1



VOSL 100 pressure drop vs. flow from D1->U1 and U1->D1

