

Type VOSLP/SC counterbalance valves

- Single acting
- Load sensitive

VOSLP/SC 38/TR.S.p4

Type	Selection 1	Selection 2	Nominal flow	Max. pressure	ports	weight
			l/min(US gpm)	bar(psi)		Kg(lb)
VOSLP/SC 38	TR.S	p4/p7	40(10.6)	210(3050)	G3/8 G1/4	0.68(1.50)
VOSLP/SC 38 ac			40(10.6)	350(5100)	G3/8 G1/4	1.41(3.11)
VOSLP/SC 12			75(19.8)	210(3050)	G1/2 G1/4	0.95(2.09)
VOSLP/SC 12 ac			75(19.8)	350(5100)	G1/2 G1/4	2.03(4.47)
VOSLP/SC 34			120(31.7)	210(3050)	G3/4 G1/4	1.40(3.09)
VOSLP/SC 34 ac			120(31.7)	350(5100)	G3/4 G1/4	3.20(7.05)
VOSLP/SC 100			180(47.6)	210(3050)	G1" G1/4	2.70(5.95)
VOSLP/SC 100 ac			180(47.6)	350(5100)	G1" G1/4	6.52(14.37)

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

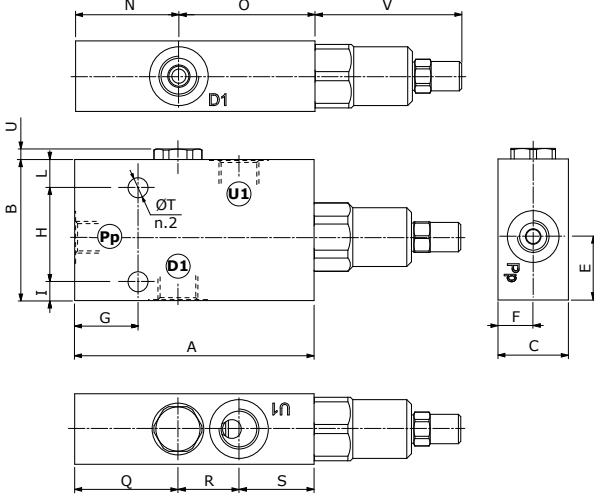
Ordering codes and description

Selection 1

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

Selection 2

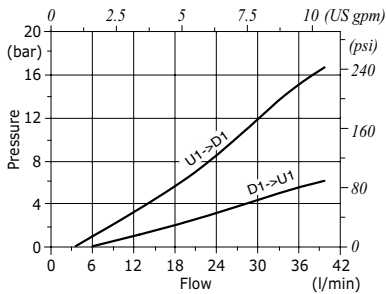
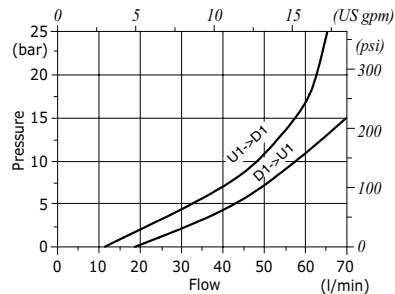
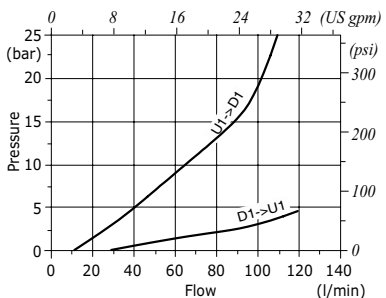
TYPE	DESCRIPTION
p4	pilot ratio 1:4
p7	pilot ratio 1:7

Dimensions


Valve type	D1	U1	Pp
VOSLP/SC 38	G3/8	G1/4	
VOSLP/SC 12	G1/2	G1/4	
VOSLP/SC 34	G3/4	G1/4	
VOSLP/SC 100	G1"	G1/4	

Dimensions are in mm-in

Valve type	A	B	C	E	F	G	H	I	L	N	O	Q	R	S	ØT	V
VOSLP/SC 38	102 4.02	60 2.36	30 1.18	27 1.06	15 0.59	27 1.06	40 1.57	8 0.315	12 0.472	44 1.73	58 2.28	44 1.73	26 1.02	32 1.26	8.5 0.335	62.5 2.46
VOSLP/SC 12	110 4.33	70 2.76	35 1.38	31 1.22	17.5 0.69	30 1.18	48 1.89	8 0.315	14 0.551	50 1.97	60 2.36	50 1.97	28 1.10	32 1.26	8.5 0.335	63.5 2.48
VOSLP/SC 34	123 4.84	90 3.54	40 1.57	36 1.42	20 0.78	31 1.22	70 2.76	10 0.394	10 0.394	55 2.17	68 2.68	55 2.17	34 1.34	34 1.34	10.5 0.413	63.5 2.48
VOSLP/SC 100	153 6.02	100 3.94	30 1.18	38 1.38	30 1.18	37 1.46	80 3.15	10 0.394	10 0.394	70 2.76	83 3.27	70 2.76	48 1.89	35 1.38	10.5 0.413	63.5 2.48

Rating diagrams
VOSLP/SC 38 pressure drop vs. flow from D1->U1 and U1->D1

VOSLP/SC 12 pressure drop vs. flow from D1->U1 and U1->D1

VOSLP/SC 34 pressure drop vs. flow from D1->U1 and U1->D1

VOSLP/SC 100 pressure drop vs. flow from D1->U1 and U1->D1
