



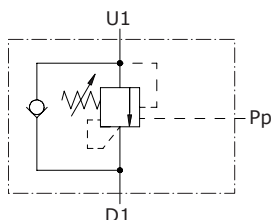
Type VOSLP/SC/RO counterbalance valves

- Single acting
- Load sensitive
- Bolt connection

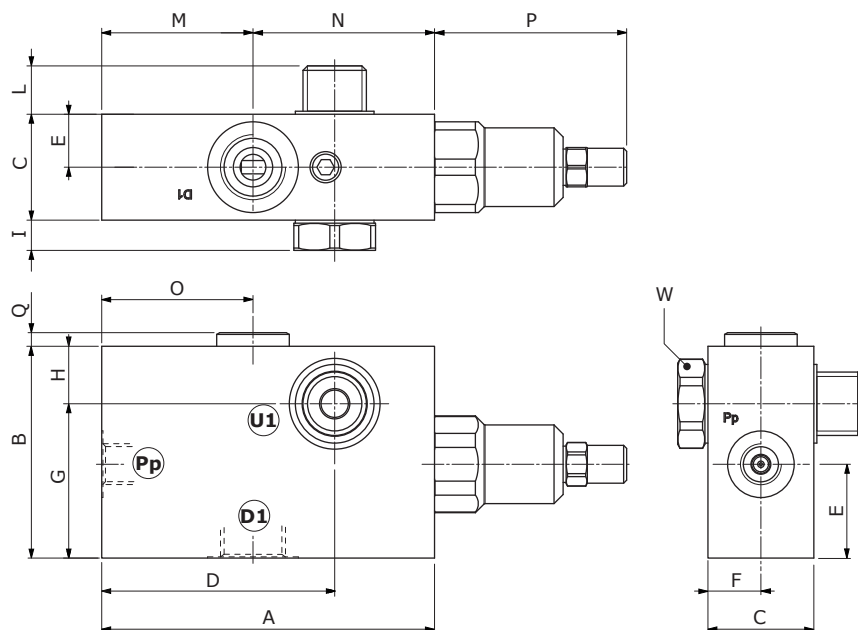
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

		VOSLP/SC/RO 38	VOSLP/SC/RO 12	VOSLP/SC/RO 34	VOSLP/SC/RO 100
Nominal flow		40 l/min (10.6 US gpm)	75 l/min (19.8 US gpm)	120 l/min (31.7 US gpm)	180 l/min (47.6 US gpm)
Max. pressure		Aluminium body = 210 bar (3050 psi) Steel body = 350 bar (5100 psi)			
Oil leakage		0.25 cm³/min - 0.015 in³/min. (5 drops) at 210 bar - 3050 psi at 80% of pressure setting			
Fluid		mineral based oil			
Viscosity		from 10 to 200 cSt			
Max. level of contamination		18/16/13 ISO4406			
Fluid temperature		with NBR seals from -20°C (-4°F) to 80°C (176°F)			
Environmental temp. for working conditions		from -40°C (-40°F) to 100°C (212°F)			
Weight	aluminium	0.87 kg (1.91 lb)	1.19 kg (2.62 lb)	1.57 kg (3.46 lb)	3.19 kg (7.03 lb)
	steel	1.61 kg (3.55 lb)	2.24 kg (4.94 lb)	3.17 kg (7.19 lb)	6.91 kg (15.23 lb)

NOTE - For different conditions, please contact Walvoil Sales Dpt.



Dimensions



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

Dimensions are in mm-in

Valve type	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	W
VOSLP/SC/RO 38	102 4.02	60 2.36	30 1.18	68 2.68	27 1.06	15 0.59	44 1.73	16 0.63	9 0.354	22 0.87	44 1.73	58 2.28	44 1.73	62.5 2.46	4.5 0.177	22 0.87
VOSLP/SC/RO 12	110 4.33	70 2.76	35 1.38	77 3.03	31 1.22	17.5 0.68	51 2.01	19 0.75	10 0.394	16 0.63	50 1.97	60 2.36	50 1.97	63.5 2.50	4.5 0.177	27 1.06
VOSLP/SC/RO 34	116 4.57	90 3.54	40 1.57	84 3.31	36 1.42	20 0.79	61 2.40	29 1.14	10 0.394	17 0.67	48 1.89	68 2.68	48 1.89	63.5 2.50	5.5 0.217	32 1.26
VOSLP/SC/RO 100	153 6.02	100 3.94	60 2.36	118 4.65	38 1.50	30 1.18	69 2.72	31 1.22	12 0.472	22 0.87	70 2.76	73 2.87	70 2.76	63.5 2.50	12.5 0.492	41 1.61

Ordering codes

VOSLP/SC/RO complete valves

TYPE: **VOSLP/SC/RO 38/TR.S.p4.PG** CODE: 1544021102
 DESCRIPTION: Aluminium body, G3/8 ports, pilot ratio 1:4, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm)

TYPE: **VOSLP/SC/RO 12/TR.S.p7.PG** CODE: 1544031102
 DESCRIPTION: Aluminium body, G1/2 ports, pilot ratio 1:7, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm)

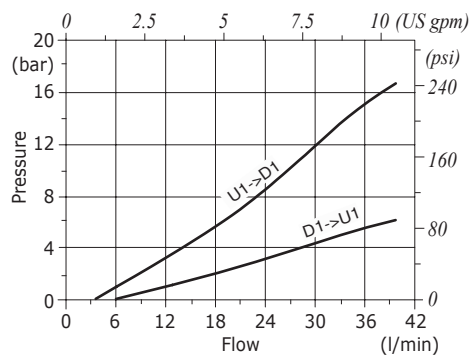
TYPE: **VOSLP/SC/RO 34/TR.S.p7.PG** CODE: 1544041102
 DESCRIPTION: Aluminium body, G3/4 ports, pilot ratio 1:7, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm)

TYPE: **VOSLP/SC/RO 100/TR.S.p7.PG** CODE: 1544051106
 DESCRIPTION: Aluminium body, G1" ports, pilot ratio 1:7, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm)

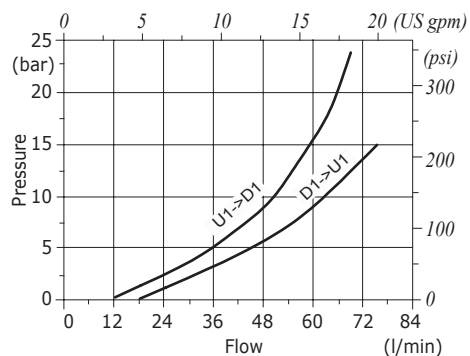
For other configurations and steel body, please contact our Sales Dept.

Rating diagrams

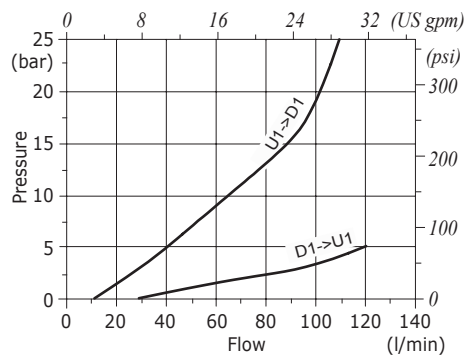
**VOSLP/SC/RO 38 pressure drop vs. flow
from D1->U1 and U1->D1**



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



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



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

