

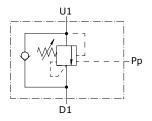
Type VOSLP/SC/RO counterbalance valves

- 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.

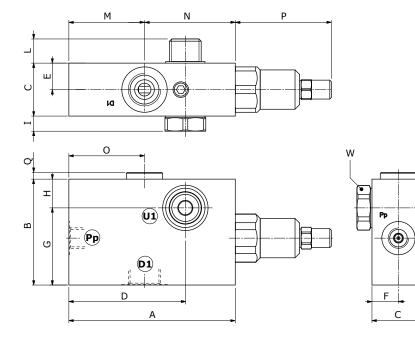
		VOSLP/SC/RO 38	VOSLP/SC/RO 12	VOSLP/SC/RO 34	VOSLP/SC/RO 100							
Nominal flow		40 l/min (10.6 US gpm)	75 l/min (19.8 US gpm)	120 l/min (31.7 US gpm)	180 l/min (47.6 US gpm)							
Max. pressur	re	Aluminium body = 210 bar $(3050 psi)$ Steel body = 350 bar $(5100 psi)$										
Oil leakage		0.25 cm ³ /min - 0.015 in ³ /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)										
Environment working cond	•	from -40°C (-40°F) to 100°C (212°F)										
Weight	aluminium steel	0.87 kg <i>(1.91 lb)</i> 1.61 kg <i>(3.55 lb)</i>	1.19 kg <i>(2.62 lb)</i> 2.24 kg <i>(4.94 lb)</i>	1.57 kg <i>(3.46 lb)</i> 3.17 kg <i>(7.19 lb)</i>	3.19 kg <i>(7.03 lb)</i> 6.91 kg <i>(15.23 lb)</i>							

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	Α	В	С	D	E	F	G	н	I	L	м	Ν	0	Р	Q	w
VOSLP/SC/RO 38	102	60	30	68	27	15	44	16	9	22	44	58	44	62.5	4.5	22
	<i>4.02</i>	<i>2.36</i>	1.18	2.68	1.06	0.59	1.73	<i>0.63</i>	0.354	0.87	1.73	2.28	1.73	<i>2.46</i>	0.177	0.87
VOSLP/SC/RO 12	110	70	35	77	31	17.5	51	19	10	16	50	60	50	63.5	4.5	27
	<i>4.33</i>	2.76	1.38	3.03	1.22	0.68	2.01	0.75	<i>0.394</i>	<i>0.63</i>	1.97	2.36	1.97	<i>2.50</i>	0.177	1.06
VOSLP/SC/RO 34	116	90	40	84	36	20	61	29	10	17	48	68	48	63.5	5.5	32
	4.57	3.54	1.57	<i>3.31</i>	1.42	0.79	2.40	1.14	<i>0.394</i>	0.67	1.89	2.68	1.89	<i>2.50</i>	0.217	1.26
VOSLP/SC/RO 100	153	100	60	118	38	30	69	31	12	22	70	73	70	63.5	12.5	41
	6.02	3.94	2.36	4.65	1.50	1.18	2.72	1.22	0.472	0.87	2.76	2.87	2.76	<i>2.50</i>	<i>0.492</i>	1.61

ш

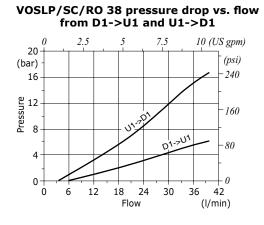
Ordering codes

VOSLP/SC/RO complete valves

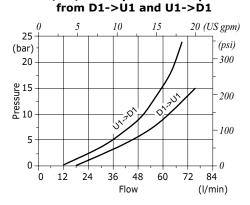
TYPE: VOSLP/SC/RO 38/TR.S.p4.PG CODE: 1544021102 DESCRIPTION: Aluminium body, G3/8 ports, pilot ratio 1:4, range 50-350 bar (725-5075 psi), std setting 280 bar (4060 psi) @ 5 l/min (1.32 US gpm) TYPE: VOSLP/SC/RO 12/TR.S.p7.PG CODE: 1544031102 DESCRIPTION: Aluminium body, G1/2 ports, pilot ratio 1:7, 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.



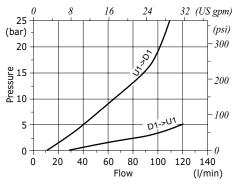
Rating diagrams



VOSLP/SC/RO 12 pressure drop vs. flow



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

