

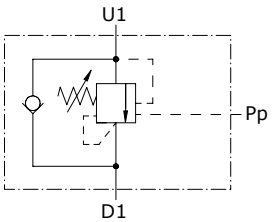
Type VOSLP/SC/RO counterbalance valves

- Single acting
- Load sensitive
- Bolt connection

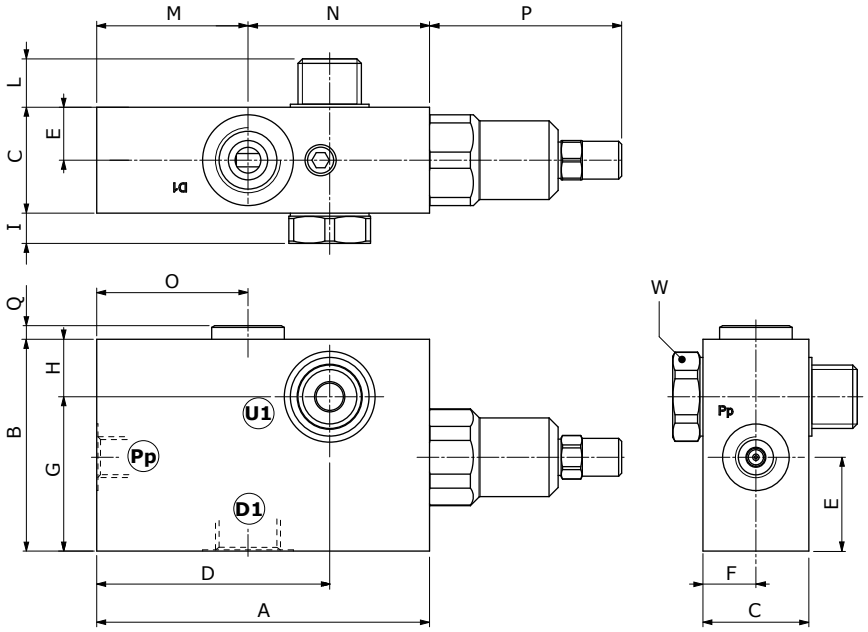
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		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 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)*			
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*

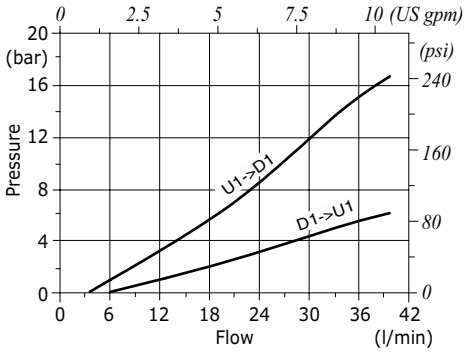
Ordering codes

VOSLP/SC/RO complete valves

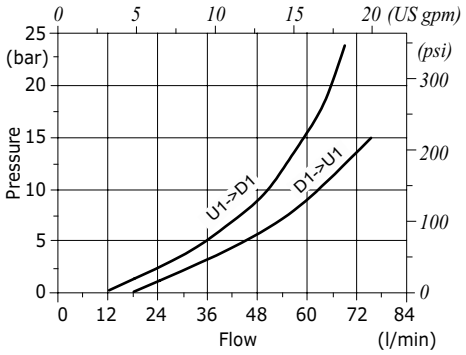
TYPE: **VOSLP/SC/RO 38/TR.S.p4.PG** CODE: 1544021102
DESCRIPTION: Aluminium body, G3/8 ports, pilot ratio 1:4, range 50-350 bar *(725-5075 psi)*, std setting 280 bar *(4060 psi)* @ 5 l/min *(1.32 US gpm)*
TYPE: **VOSLP/SC/RO 12/TR.S.p7.PG** CODE: 1544031102
DESCRIPTION: Aluminium body, G1/2 ports, pilot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

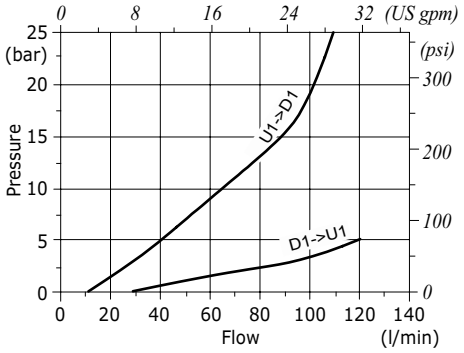
VOSLP/SC/RO 38 pressure drop vs. flow from D1->U1 and U1->D1



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

