

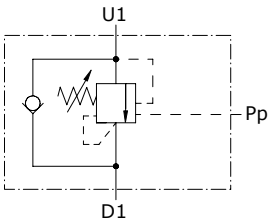
Type VOSLP/SC counterbalance valves

- Single acting
- Load sensitive

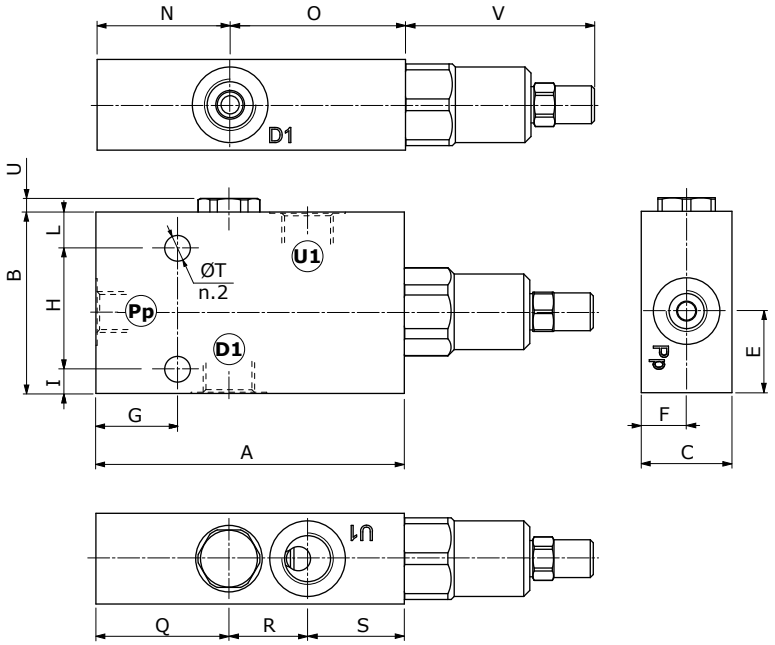
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VOSLP/SC 38	VOSLP/SC 12	VOSLP/SC 34	VOSLP/SC 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*	0.68 kg *(1.50 lb)*	0.95 kg *(2.09 lb)*	1.40 kg *(3.09 lb)*	2.70 kg *(5.95 lb)*
	steel	1.41 kg *(3.11 lb)*	2.03 kg *(4.47 lb)*	3.20 kg *(7.05 lb)*	6.52 kg *(14.37 lb)*

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



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*

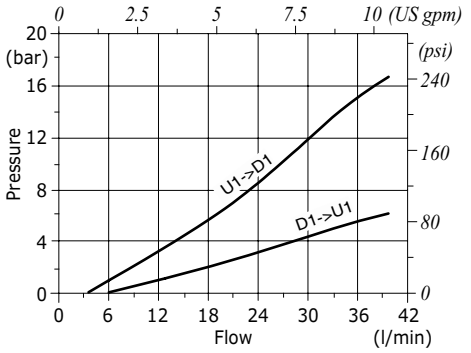
Ordering codes

VOSLP/SC complete valves

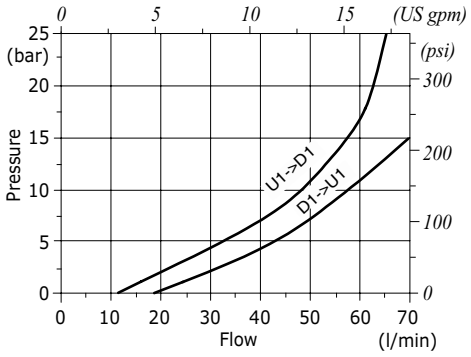
TYPE: **VOSLP/SC 38/TR.S.p4** CODE: 1540021102
DESCRIPTION: Aluminium body, G3/8 ports, pilot ratio 1:4, range 50-350 bar *(725-5075 psi)*, std setting 280 bar *(4060 psi)* @ 5 l/min *(1.32 US gpm)*
TYPE: **VOSLP/SC 12/TR.S.p7** CODE: 1540031102
DESCRIPTION: Aluminium body, G1/2 ports, pilot ratio 1:7, range 50-350 bar *(725-5075 psi)*, std setting 280 bar *(4060 psi)* @ 5 l/min *(1.32 US gpm)*
TYPE: **VOSLP/SC 34/TR.S.p7** CODE: 1540041102
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 100/TR.S.p7** CODE: 1540051102
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

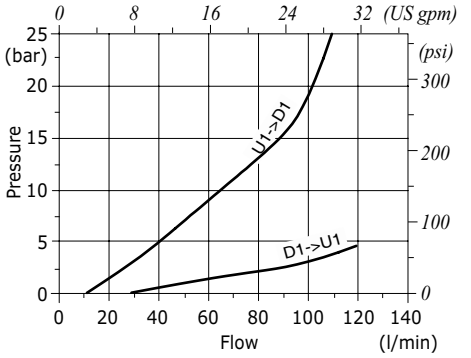
VOSLP/SC 38 pressure drop vs. flow from D1->U1 and U1->D1



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

