

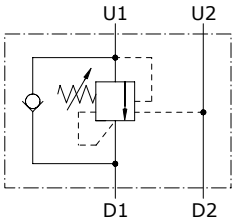
Type VOSL/SC counterbalance valves

- Single acting

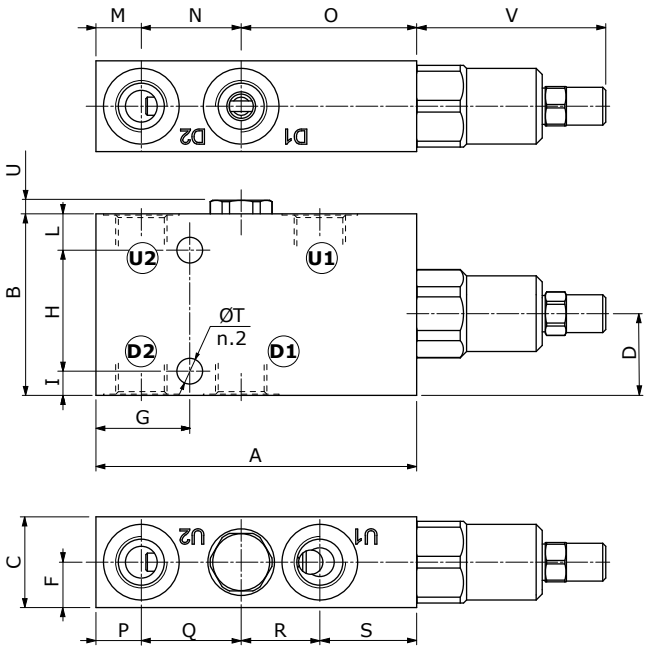
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C *(104°F)* temperature.

		VOSL/SC 38	VOSL/SC 12	VOSL/SC 34	VOSL/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 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*	0.80 kg *(1.76 lb)*	1.06 kg *(2.34 lb)*	1.48 kg *(3.26 lb)*	3.13 kg *(6.90 lb)*
	steel	1.54 kg *(3.40 lb)*	2.15 kg *(4.74 lb)*	3.34 kg *(7.36 lb)*	7.64 kg *(16.8 lb)*

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



Dimensions



Valve type	D1	D2	U1	U2
VOSL/SC 38	G3/8		G3/8	
VOSL/SC 12	G1/2		G1/2	
VOSL/SC 34	G3/4		G3/4	
VOSL/SC 100	G1"		G1"	

Dimensions are in mm-*in*

Valve type	A	B	C	D	F	G	H	I	L	M	N	O	P	Q	R	S	ØT	U	V
VOSL/SC 38	106 *4.17*	60 *2.36*	30 *1.18*	27 *1.06*	15 *0.89*	31 *1.22*	40 *1.57*	8 *0.315*	12 *0.472*	15 *0.59*	33 *1.30*	58 *2.28*	15 *0.59*	33 *1.30*	26 *1.02*	32 *1.26*	8.5 *0.335*	4.5 *0.177*	62.5 *2.46*
VOSL/SC 12	116 *4.57*	70 *2.76*	35 *1.38*	31 *1.22*	17.5 *0.69*	36 *1.42*	48 *1.89*	8 *0.315*	14 *0.55*	16 *0.63*	40 *1.57*	60 *2.36*	16 *0.63*	40 *1.57*	28 *1.10*	32 *1.26*	8.5 *0.335*	4.5 *0.177*	62.5 *2.46*
VOSL/SC 34	136 *5.35*	90 *3.54*	40 *1.57*	36 *1.42*	20 *0.79*	44 *1.73*	70 *2.76*	10 *0.394*	10 *0.394*	20 *0.79*	48 *1.89*	68 *2.68*	20 *0.79*	48 *1.89*	34 *1.34*	34 *1.34*	10.5 *0.413*	5.5 *0.217*	62.5 *2.46*
VOSL/SC 100	185 *7.28*	100 *3.94*	60 *2.36*	38 *1.50*	30 *1.18*	62 *2.44*	80 *3.15*	10 *0.394*	10 *0.394*	32 *1.26*	70 *2.76*	83 *3.27*	32 *1.26*	70 *2.76*	48 *1.89*	35 *1.38*	10.5 *0.413*	12.5 *0.492*	62.5 *2.46*

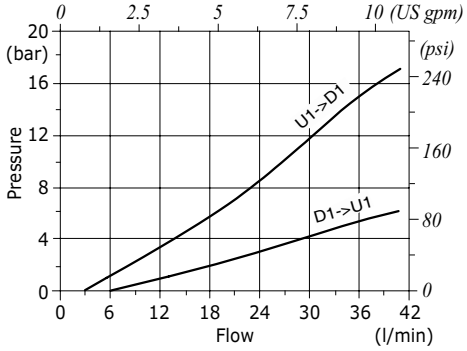
Ordering codes

VOSL/SC complete valves

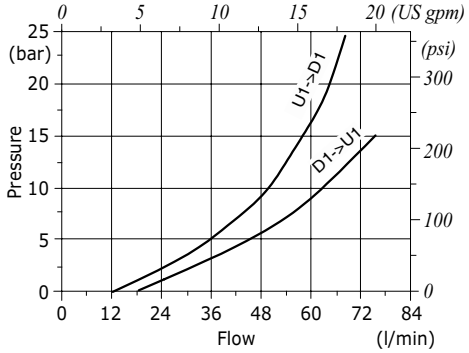
TYPE: **VOSL/SC 38/TR.S.p4.PG** CODE: 1520021108
DESCRIPTION: Aluminium body, G3/8 ports, pilot ratio 1:4, range 50-350 bar *(725-5075 psi)*, std setting 280 bar *(4060 psi)* @ 5 l/min *(1.32 US gpm)*
TYPE: **VOSL/SC 12/TR.S.p7.PG** CODE: 1520031107
DESCRIPTION: Aluminium body, G1/2 ports, pilot ratio 1:7, range 50-350 bar *(725-5075 psi)*, std setting 280 bar *(4060 psi)* @ 5 l/min *(1.32 US gpm)*
TYPE: **VOSL/SC 34/TR.S.p7.PG** CODE: 1520041102
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: **VOSL/SC 100/TR.S.p7.PG** CODE: 1520051102
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 Dpt.

Rating diagrams

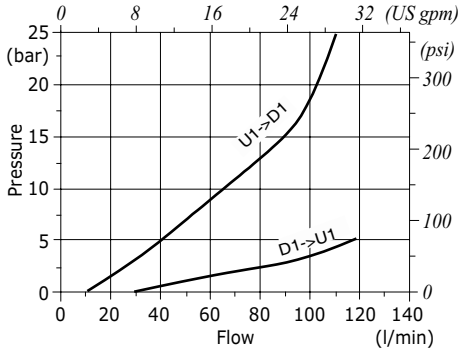
VOSL/SC 38 pressure drop vs. flow from D1->U1 and U1->D1



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



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



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

