



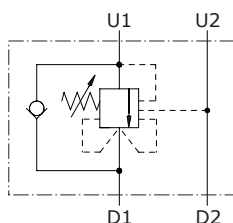
Type VOSL/SC/CC counterbalance valves

- Single acting

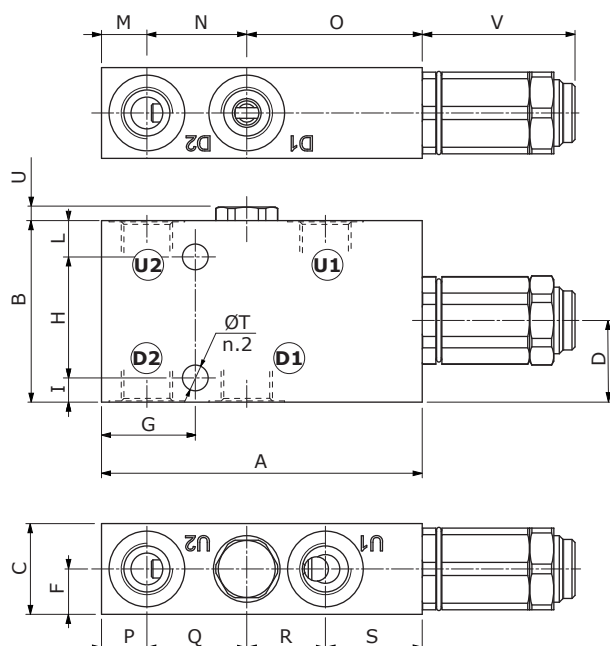
Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

	VOSL/SC/CC 38	VOSL/SC/CC 12	VOSL/SC/CC 34	VOSL/SC/CC 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	0.83 kg (1.83 lb)	1.11 kg (2.45 lb)	1.53 kg (3.37 lb)
	steel	1.56 kg (3.44 lb)	2.32 kg (5.11 lb)	3.39 kg (7.47 lb)

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



Dimensions



Valve type	D1	D2	U1	U2
VOSL/SC/CC 38	G3/8	G3/8		
VOSL/SC/CC 12	G1/2	G1/2		
VOSL/SC/CC 34	G3/4	G3/4		
VOSL/SC/CC 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/CC	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	51 2.01
VOSL/SC/CC 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	51 2.01
VOSL/SC/CC 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	51 2.01
VOSL/SC/CC 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	51 2.01

Ordering codes

VOSL/SC/CC complete valves

TYPE: **VOSL/SC/CC 38/TR.S.p4.PG** CODE: 1525021102

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/CC 12/TR.S.p7.PG** CODE: 1525031102

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/CC 34/TR.S.p7.PG** CODE: 1525041102

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)

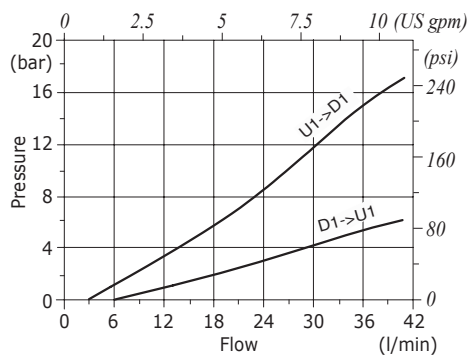
TYPE: **VOSL/SC/CC 100/TR.S.p7.PG** CODE: 1525051102

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)

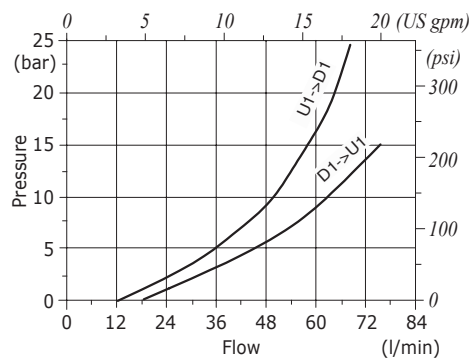
For other configurations and steel body, please contact our Sales Dept.

Rating diagrams

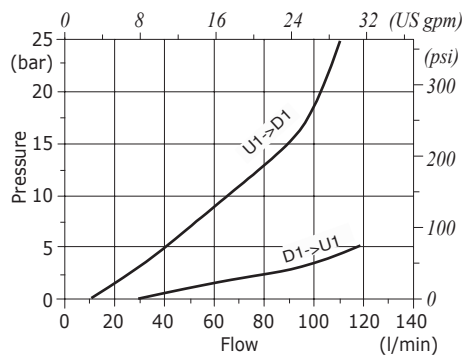
**VOSL/SC 38 pressure drop vs. flow
from D1->U1 and U1->D1**



**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**

