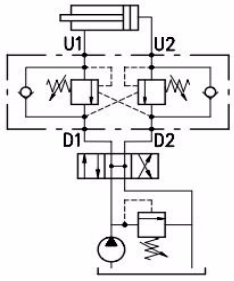
LINE MOUNT VALVES

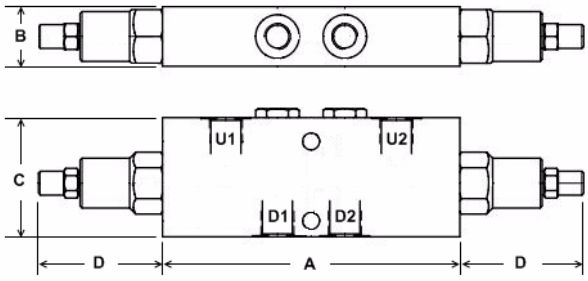
DOUBLE COUNTER-BALANCE VALVES

VODL/SC Series

Aluminium body - Steel bodied units available on request - add suffix AC
This valve controls a moving load in both directions preventing it from moving ahead of the pump and locks the load in any position on U1 and U2.
It also provides static overload and thermal expansion protection when used in combination with an open centre spool valve.
This valve permits free flow from D1 to U1 & D2 to U2 and blocks the flow from U1 to D1 & U2 to D2 until a pilot pressure generated at D1 or D2 is sufficient to pilot the U1 or U2 port open.

Spring Range Options	
Code	**bar**
TS	5-210
TR	50-350





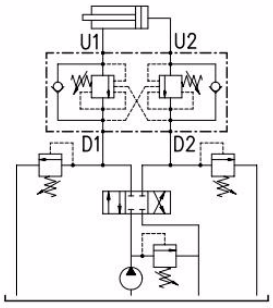
Part No. (with TR spring option)	Ports BSPP	Standard Pilot Ratio	Optional Pilot Ratios	M.W.P. BAR Alum	M.W.P. BAR Steel	Dim. (mm)				Nom Flow
						A	B	C	D	L/min
VODL/SC-38/TR.S.P4	3/8"	4 : 1	3 : 1	210	350	150	30	60	62.5	40
VODL/SC-12/TR.S.P7	1/2"	7 : 1	3 : 1			156	35	70	63.5	75
VODL/SC-34/TR.S.P7	3/4"	7 : 1	3 : 1			186	40	70	63.5	120
VODL/SC-100/TR.S.P7	1"	7 : 1	3 : 1			232	60	100	63.5	180

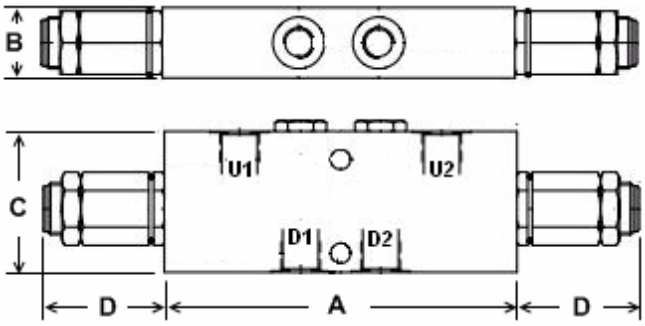
DOUBLE COUNTER-BALANCE VALVES

VODL/SC/CC Series

Aluminium body - Steel bodied units available on request - add suffix AC
This valve controls a moving load in both directions preventing it from moving ahead of the pump and locks the load in any position on U1 and U2.
This valve permits free flow from D1 to U1 & D2 to U2 and blocks the flow from U1 to D1 & U2 to D2 until a pilot pressure generated at D1 or D2 is sufficient to pilot the U1 or U2 port open.
It is utilised in combination with a closed centre spool valve. It is recommended to fit a port relief in this application.

Spring Range Options	
Code	**bar**
TS	5-210
TR	50-350





Part No. (with TR spring option)	Ports BSPP	Standard Pilot Ratio	Optional Pilot Ratios	M.W.P. BAR Alum	M.W.P. BAR Steel	Dim. (mm)				Nom Flow
						A	B	C	D	L/min
VODL/SC/CC-38/TR.S.P4	3/8"	4 : 1	3 :1	210	350	150	30	60	52	40
VODL/SC/CC-12/TR.S.P7	1/2"	7 : 1	3 : 1			156	35	70	60	75
VODL/SC/CC-34/TR.S.P7	3/4"	7 : 1	3 : 1			186	40	70	60	120
VODL/SC/CC-100/TR.SP7	1"	7 : 1	3 : 1			232	60	100	60	180