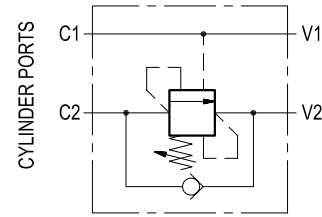
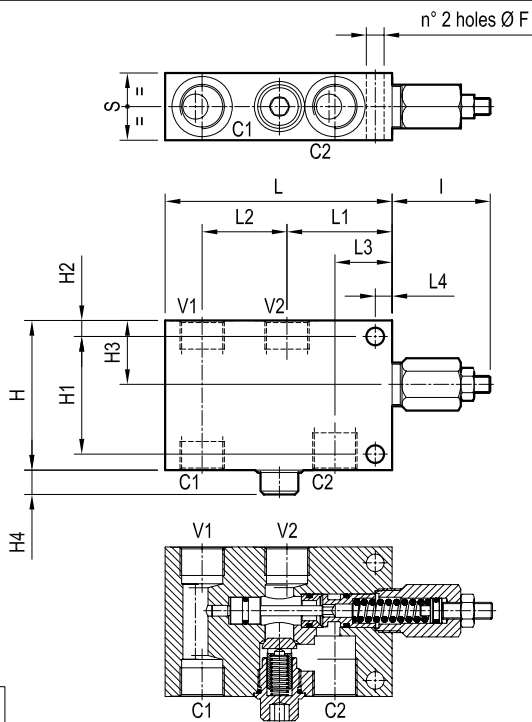


SINGLE COUNTERBALANCE

VBSO-SE

05.41.01 - X - Y - Z



TECHNICAL DATA

Operating pressure: up to 210 bar (3000 psi)

Max flow: see performance graph

Aluminium body

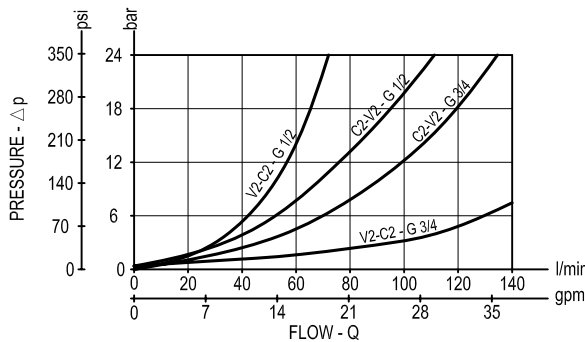
NOTE: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Relief setting: at least 1.3 times the highest expected load.

[mm (inches)]

40 (1.58)	10 (0.39)	34 (1.34)	54.5 (2.15)	62.5 (2.46)	135 (5.32)	58.5 (2.3)	14.5 (0.57)	38 (1.5)	9.5 (0.37)	70 (2.76)	89 (3.5)	10.5 (0.41)	G 3/4	1.42 (3.1)
35 (1.38)	10 (0.39)	32.5 (1.28)	40.5 (1.6)	54.5 (2.15)	113 (4.55)	58.5 (2.3)	14.5 (0.57)	33.5 (1.32)	7.5 (0.3)	54 (2.13)	70 (2.76)	8.5 (0.34)	G 1/2	0.9 (2)
S	L4	L3	L2	L1	L	I	H4	H3	H2	H1	H	F	Y	Weight kg (lbs)

When pressure at V2 rises above the spring bias pressure, the check valve poppet is pushed away from the seat and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2, and any back-pressure at V2 is additive to the pressure setting in all functions.



X	PILOT RATIO	
03	8.2 : 1	
10	3.2 : 1	

Z	SPRINGS				
	Adj. press. range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting bar (psi) Q=5 l/min	Ordering code	Colour
20	60-210 (870-3000)	64 (928)	200 (2900)	03.51.01.021	green
35	100-350(1450-5000)	106 (1537)	350 (5000)	03.51.01.014	yellow

Y	PORT SIZE	
	V1-V2-C1-C2	
03	G 1/2	
04	G 3/4	