Part number:

006-11137

HYDROMA
HYDRAULICKÉ SYSTÉMY

HIDROMA
SISTEMS
UKŁADY HYDRAULICZNE

HYDROMA
ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

DUAL COUNTERBALANCE, RELIEF COMPENSATED

VBSO-DE-CC	05.42.05 - X - Y - Z

n°2 holes Ø F
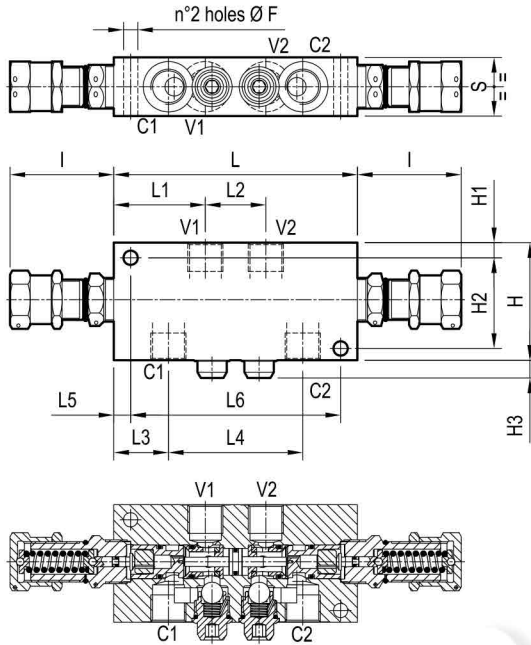
40 (1.58)	155 (6.1)	10 (0.39)	107 (4.21)	34 (1.34)	50 (1.97)	62.5 (2.46)	175 (6.89)	62 (2.44)	11 (0.43)	70 (2.76)	10 (0.39)	90 (3.54)	10.5 (0.41)	G 3/4	2.15 (4.7)
35 (1.38)	125 (4.92)	10 (0.39)	80 (3.15)	32.5 (1.28)	36 (1.42)	54.5 (2.15)	145 (5.71)	62 (2.44)	11 (0.43)	54 (2.13)	8 (0.32)	70 (2.76)	8.5 (0.34)	G 1/2	1.45 (3.2)
S	L6	L5	L4	L3	L2	L1	L	I	H3	H2	H1	H	F	Y	Weight kg (lbs)

It provides static and dynamic control of load by regulating the flow IN and OUT of the actuator, through ports C1 and C2. This valve module includes 2 sections, each one composed by a check and a relief valve with balanced piston, pilot assisted by pressure in the opposite line: the check section allows free flow into the actuator, then holds the load against reverse movement; with pilot pressure applied at the line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow. Relief operates at the valve setting independent of back-pressure, but the piloted opening remains subject to additive pressure at V1 or V2.
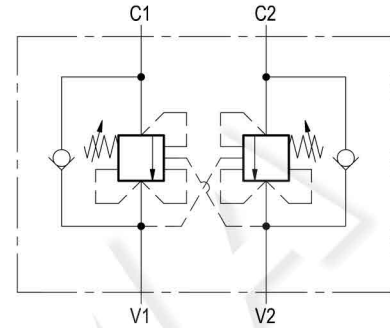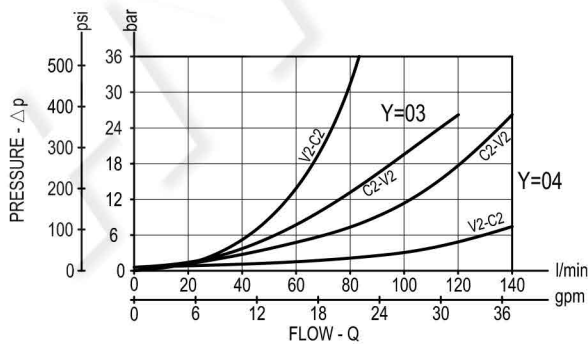

TECHNICAL DATA

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.

X	PILOT RATIO	
02	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 (900-3000)	54 (783)	200 (2900)	03.51.01.075	green
35	100-350 (1450-5000)	95 (1378)	350 (5000)	03.51.01.059	yellow

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