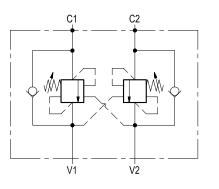
05.42.06 - X - Y - Z



RE 18307-64/04.10 1/2 Replaces: RE 00171/02.07

Dual counterbalance

VBSO-DE-FC2



Description

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 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. Back-pressure at V1 or V2 is additive to the pressure setting in all functions. For better safety and compact assembly, the C1 and C2 port are gasket mounted directly on the actuator.

Technical data

Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	l/min (gpm)	120 (32)

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

General

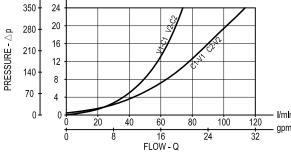
Manifold material Aluminium								
 Note: aluminium bodies are often exceeding 210 bar (3000 psi), de specific application. If in doubt, c	from the fatigue life expected in the							
Weight	see "Dimensions"							
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)						

Fluid temperature range°C (°F)between -30 (-22) and +100 (212)Other technical datasee data sheet RE 18350-50	vveight	see "Dimensions"
Other technical data see data sheet RE 18350-50	Fluid temperature range °C (°F)	between -30 (-22) and +100 (212)
	Other technical data	see data sheet RE 18350-50

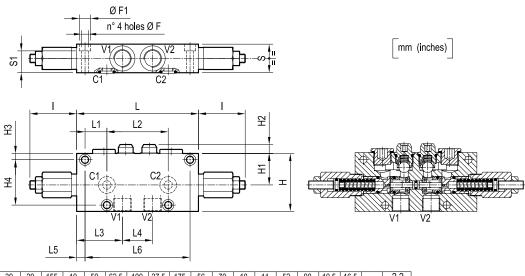
Note: for applications outside these parameters, please consult us.

Performance

ps



Dimensions



39	29	155	10	50	62.5	100	27.5	175	56	70	10	11	52	90	10.5	16.5	C 2/4	2.2
(1.54)	(1.14)	(6.1)	(0.39)	(1.97)	(2.46)	(3.94)	(1.08)	(6.89)	(2.21)	(2.76)	(0.39)	(0.43)	(2.05)	(3.54)	(0.41)	(0.65)	G 3/4	(4.9)
34	26	125	10	36	54.5		26	145	56	54	7.5	11	37.5		8.5	13.5	C 1/2	1.4
(1.34)	(1.02)	(4.92)	(0.39)	(1.42)	(2.15)	(2.87)	(1.02)	(5.71)	(2.21)	(2.13)	(0.3)	(0.43)	(1.48)	(2.72)	(0.34)	(0.53)	G 1/2	(3.09)
2	<u>S1</u>	16	15	14	13	12	11	1	1	H4	нз	Н2	Н1	н	F	F1	Y	Weight
0	01	20		64	20	22	L.	L .		114	110	112			•		· ·	kg (lbs)

Ordering code

		05.42	2.06	X	Y	Z
Dual co	punterbalance					
Pilot ra	tio					
= 03	8.2:1					=
= 10	3.2:1					

Port sizes	V1-V2	C1-C2	
= 03	G 1/2	Ø 10 (0.39)	
= 04	G 3/4	Ø 14 (0.55)	

Туре	Material number
05420603033500A	R930001803
05420603043500A	R930001805
05420610033500A	R930001806
054206100435000	R930001807

Туре	Material number

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Subject to change.

	SPRINGS							
	Adj. pressure	Pres. increase	Std. setting					
	range	bar/turn	Q=5 (I/min.)					
	bar (psi)	(psi/turn)	bar (psi)					
= 35	120-350	106	350					
	(1750-5000)	(1537)	(5000)					