

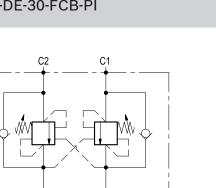
RE 18307-73/07.12

1/2

Dual counterbalance

A-VBSO-DE-30-FCB-PI





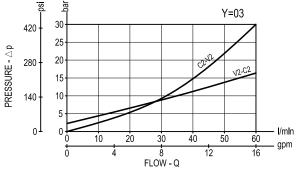
V1

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 ports are gasket mounted directly on the actuator.

Performance

V2



Technical data

Hydraulic

Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min (gpm)	60 (16)

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

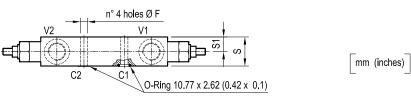
General

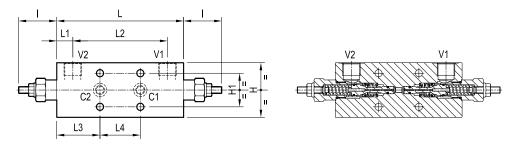
ท า	Manifold material		Steel
	Weight		see "Dimensions"
	Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
	Other technical data		see data sheet RE 18350-50

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



Dimensions





17.5 (0.69)	34.5 (1.36)	48 (1.89)	51.5 (2.03)	112.6 (4.43)	19.2 (0.76)	151 (5.95)	45.5 (1.79)	40 (1.58)	65 (2.56)	8.5 (0.34)		G 1/2	2.3 (5.1)
15 (0.59)	29.5 (1.16)	48 (1.89)	51.5 (2.03)	109.6 (4.32)	20.7 (0.82)	151 (5.95)	45.5 (1.79)	40 (1.58)	55 (2.17)	8.5 (0.34)		G 3/8	1.76 (3.88)
S1	S	L4	L3	L2	L1	L	I	H1	н	F		Y	Weight kg (lbs)

Ordering code

		08.48	3.12	Х	Y	Z
Dual counte	rbalance					
Pilot ratio						
= 03 4.2:	1					
= 85 11:	1					
		1				
Port sizes	V1-V2	C1-C2				
					1	

1 011 31263	VI VZ	01 02	
= 02	G 3/8	Ø 9 (0.35)	
= 03	G 1/2	Ø 9 (0.35)	

Туре	Material number
084812030220000	R930006792
084812030235000	R930006446
084812030320000	R930006793
084812030335000	R930006447
084812850220000	R930006794
084812850320000	R930006795

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		SPRINGS					
		Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min.) bar (psi)			
= 20	for X=03	60-210 (870-3000)	63 (914)	200 (2900)			
	for X=85	60-250 (900-3600)	70 (1015)	200 (2900)			
$= 35 \begin{array}{c ccccc} for & 100-350 & 138 & 350 \\ X=03 & (1450-5000) & (2001) & (5000) \end{array}$							

code 11.04.23.002

Туре	Material number

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Subject to change.
