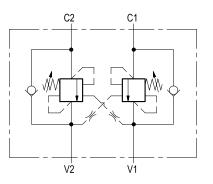


#### **RE 18307-65/03.13** 1/2 Replaces: RE 18307-65/04.10

# Dual counterbalance

### VBSO-DE-33



## Description

05.44.32 - X - Y - Z

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.

## **Technical data**

#### Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	l/min (gpm)	150 (40)

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

#### General

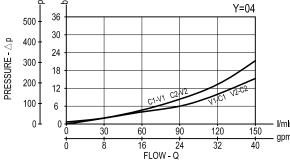
	Manifold material	Aluminium		
	Note: aluminium bodies are often strong exceeding 210 bar (3000 psi), depending specific application. If in doubt, consult of	g from the fatigue life expected in the		
Weight		see "Dimensions"		
	Fluid temperature range °C (°F)	between -30 (-22) and +100 (212)		

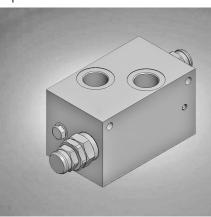
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

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

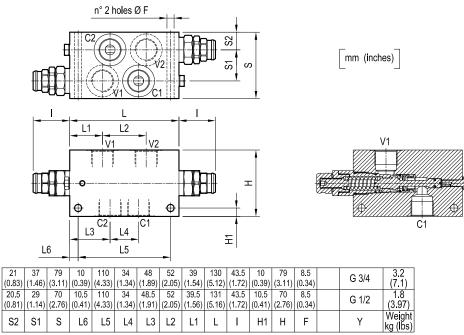
# Performance

ps





#### **Dimensions**



# Ordering code

= 03

= 04

		05.44	1.32	Х	Y	Ζ
Dual counter	balance					
Pilot ratio						
<b>= 03</b> 4:1						:
Port sizes	V1-V2	C1-C2				
			1			

G 1/2

G 3/4

G 1/2

G 3/4

	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (l/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 35	100-350	110	350
	(1450-5000)	(1595)	(5000)

Туре	Material number	Туре
05443203033500D	R930007139	
05443203043500D	R930007137	

Туре	Material number

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Subject to change.