

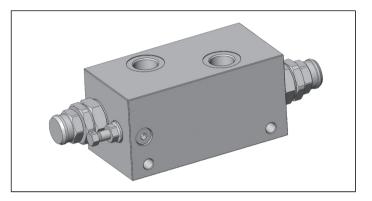
Dual counterbalance

RE 18308-65

Edition: 03.2016 Replaces: 04.2010

05.44.32.13 - Y - Z Repla

VBSO-DE-33



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.

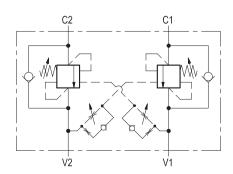
Technical data

Operating pressure	up to 210 bar (3000 psi)
Max. flow	150 l/min. (40 gpm)
Weight	see "Dimensions"
Manifold material	Anodized aluminium

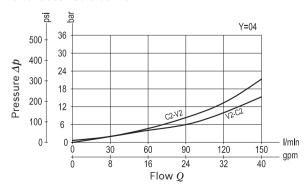
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50
Relief setting: at least 1.3 times the highest expected load.	

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



Characteristic curve



Ordering code

Ordering Co	oue	05.44.	32	13)
Dual counter	balance				
Pilot ratio					
13 4:3	L				
Port sizes	V1 - V2	C1 - C2			
03	G 1/2	G 1/2			
04	G 3/4	G 3/4			

	SPRINGS				
	Adj. pressure	Pres. increase	Std. setting		
	range	bar/turn	Q=5 (I/min)		
	bar (psi)	(psi/turn)	bar (psi)		
25	150-350	110	350		
35	(2175-5000)	(1595)	(5000)		

Tamper resistant cap code ordering code 11.04.30.001
Mat. no. R930005194

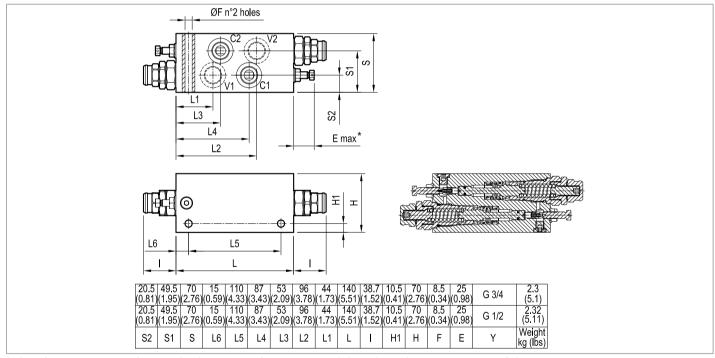
Z

Preferred types

Туре	Material number	
05443213033500A	R930007243	
05443213043500A	R930007246	

Туре	Material number
-	

Dimensions



^{*} The adjusting screw can be completely unscrewed. Do not exceed the indicated protrusion range of the adjusted screw.

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