

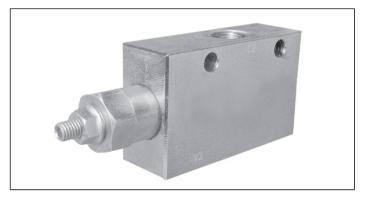
# Single counterbalance

RE 18307-37

Edition: 03.2016

Replaces: 07.2010

A-VBSO-SE-30



### **Description**

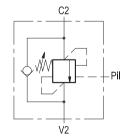
When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at Pil, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2, and any back-pressure at V2 is additive to the pressure setting in all functions.

# Technical data

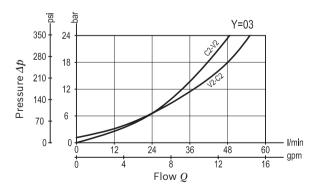
08.41.01 - X - Y - Z

Max. operating pressure	410 bar (5945 psi)
Max. flow	60 l/min. (16 gpm)
Weight	see "Dimensions"
Manifold material	Zinc plated steel
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 <sup>2</sup> /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
MTTFd	150 years see data sheet 18350-51
Other technical data	see data sheet 18350-50
Relief setting: at least 1.3 times the load induced pressure.	

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



#### **Characteristic curve**



## A-VBSO-SE-30 | Single counterbalance

Ordering code		08.4	1.01	X		
Single counte	erbalance					
Pilot ratio						
<b>03</b> 4.2	: 1					
Port sizes	V2		C2		Pil	
09	G 1/4		G 1/4		G 1/4	
02	G 3/8		G 3/8		G 3/8	
03	G 1/2		G 1/2		G 1/4	

	SPRINGS			
	Adj. pressure Pres. increase		Std. setting	
	range	bar/turn	Q=5 (I/min)	
	bar (psi)	(psi/turn)	bar (psi)	
20	60-210	63	200	
20	(870-3000)	(914)	(2900)	
25	180-350	138	350	
35	(2610-5000)	(2001)	(5000)	

Pressure setting up to 410 bar: code on request.

Tamper resistant cap code ordering code 11.04.23.002 Mat. no. R930000752

Z

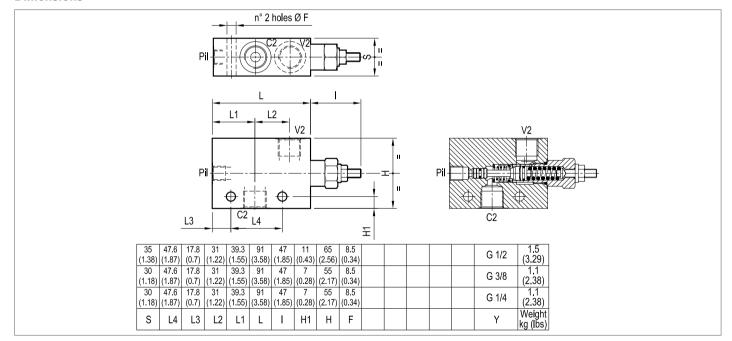
**Preferred types** 

2

Туре	Material number
08410103022000B	R930003264
08410103023500B	R987234306
08410103032000A	R930003270

Туре	Material number
08410103033500B	R930003271
084101030920000	R930003272
08410103093500B	R930003273

#### **Dimensions**



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