

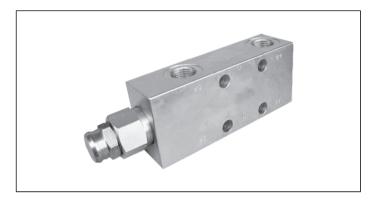
# Single counterbalance

RE 18307-46

Edition: 03.2016 Replaces: 07.2012

08.45.94 - X - Y - Z

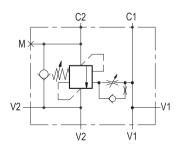
A-VBSO-SE-33-PL-FC2



## **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 relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, 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. For safety and compactness, the C2 port is gasket mounted the actuator.

Note: port identified with M are not protected with calibrated orifice but in direct connection with pressure channels.



## **Technical data**

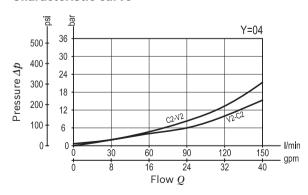
Max. operating pressure	410 bar (5945 psi)
Max. flow	150 l/min. (40 gpm)
Weight	see "Dimensions"
Manifold material	Zinc plated steel
Flange seal kit <sup>1)</sup>	E00000000000057 (R930060587)
Fluid	Mineral oil (HL, HLP) according
	DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm <sup>2</sup> /s (cSt)
Recommended degree of fluid	Class 19/17/14 according to
contamination	ISO 4406
MTTFd	150 years see data sheet 18350-51
Other technical data	see data sheet 18350-50
Deliaf actting at least 1 2 times t	ha land induced pressure

Relief setting: at least 1.3 times the load induced pressure.

The pilot line includes adjustable hydraulic damping, for fine tuning of stability and response.

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

## **Characteristic curve**



<sup>1)</sup> Seals for 5 valves.

## 2

Ordering code		08.45.9	94	X	
Single counte	erbalance				
Pilot ratio					
<b>13</b> 4 : 1	L				
Port sizes	V1 - V2 - C1	C2		М	
03	G 1/2	Ø 12 (0.47)	G	1/4	
04	G 3/4	Ø 12 (0.47)	G	1/4	

	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (I/min)
	bar (psi)	(psi/turn)	bar (psi)
35	150-350	110	350
33	(2175-5000)	(1595)	(5000)

Pressure setting up to 410 bar: code on request.

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

Z

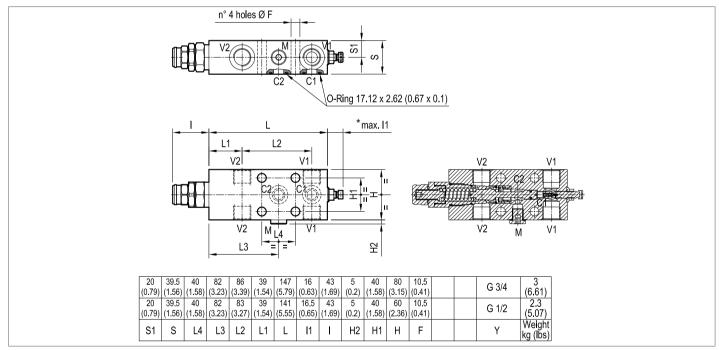


#### **Preferred types**

Туре	Material number
08459413033500D	R930007165
08459413043500D	R930007466

Туре	Material number

#### **Dimensions**



<sup>\*</sup> The adjusting screw can be completely unscrewed. Do not exceed the indicated protrusion range of the adjusted screw.

# Bosch Rexroth Oil Control S.p.A.

Via Leonardo da Vinci 5

P.O. Box no. 5

41015 Nonantola - Modena, Italy

Tel. +39 059 887 611 Fax +39 059 547 848

compact-hydraulics-pib@boschrexroth.com www.boschrexroth.com/compacthydraulics

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