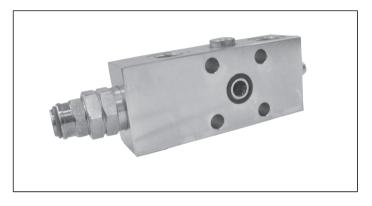


# Single counterbalance, vented

RE 18307-54 Edition: 04.2021

Replaces: 03.2016

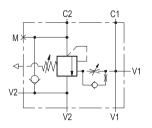
## A-VBSO-SE-CCAP-33-PL-FC2



### **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 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 pilot ratio, until opening and allowing flow from C2 to V2. The spring chamber is vented to atmosphere allowing operation of all functions independent of back-pressure at V2. For better safety and compact assembly, the C1 and C2 ports are gasket mounted directly on the actuator.

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



#### **Technical data**

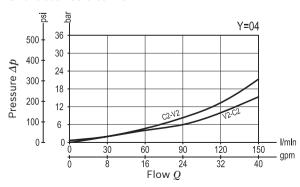
08.45.92 - X - Y - Z

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 contamination	Class 19/17/14 according to ISO 4406	
MTTFd	150 years see 18350-51	
Other technical data	see data sheet 18350-50	
Relief setting: at least 1.3 times the highest expected load.		

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

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

#### Characteristic curve



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

Υ

Z

#### 2

## **Ordering code** 08.45.92 X Single counterbalance, vented Pilot ratio 13 4:1 Port sizes V1 - V2 C1 - C2 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	(2200-5000)	(1595)	(5000)

Pressure setting up to 410 bar: code on request.

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

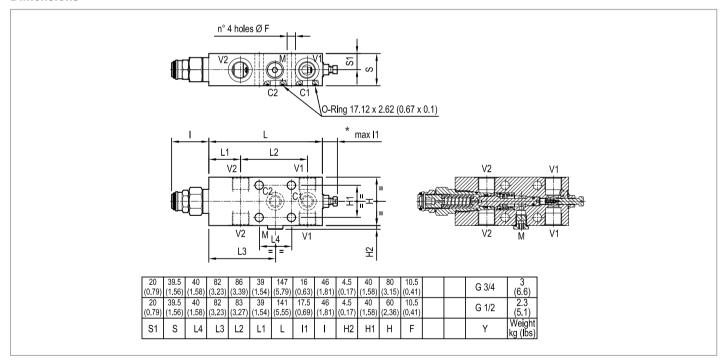


## **Preferred types**

Туре	Material number
08459213033500C	R930050625
08459213043500D	R930050627

Туре	Material number	

#### **Dimensions**



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

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