

RE 18307-38/07.10

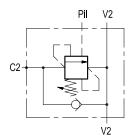
Replaces: RE 00171/02.07

# Single counterbalance



A-VBSO-SE-30-FC1

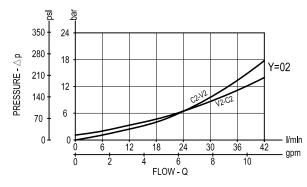
08.41.02 - X - Y - Z



## **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 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 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.

### **Performance**



#### **Technical data**

#### Hydraulic

Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min (gpm)	40 (11)

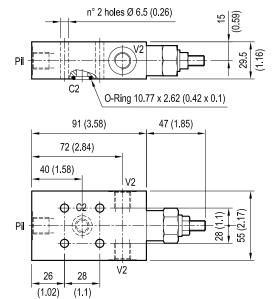
Relief setting: at least 1.3 times the highest expected load.

#### General

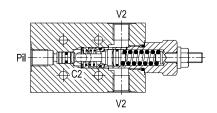
Manifold material		Steel
Weight	kg (lbs)	1.05 (2.32)
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

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

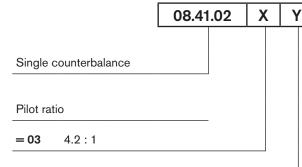
#### **Dimensions**







## Ordering code



Port sizes	V2	C2	Pil
= 09	G 1/4	Ø 9 (0.35)	G 1/4
= 02	G 3/8	Ø 9 (0.35)	G 3/8

	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
	(870-3000)	(914)	(2900)
= 35	100-350	138	350
	(1450-5000)	(2001)	(5000)

Tamper resistant cap code 11.04.23.002 R930000752

Z

Туре	Material number
08410203022000B	R930003285
08410203023500B	R930003286
08410203092000A	R930003287
08410203093500B	R930003288

Туре	Material number

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

motion-control-valves@oilcontrol.com www.boschrexroth.com

© This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent.

The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging.

Subject to change.