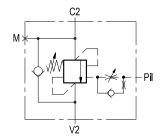


1/2 **RE 18308-46/07.12** Replaces: RE 18308-46/04.10

# Single counterbalance

A-VBSO-SE-42 08.39.30 - X - Y - Z

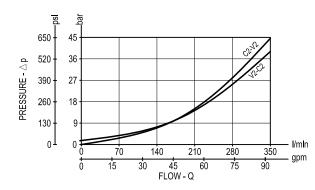


## **Description**

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, 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.

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

## Performance



## **Technical data**

#### Hydraulic

Max. operating pressure	bar (psi)	350 (5000)
Max. flow	I/min (gpm)	350 (92)

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

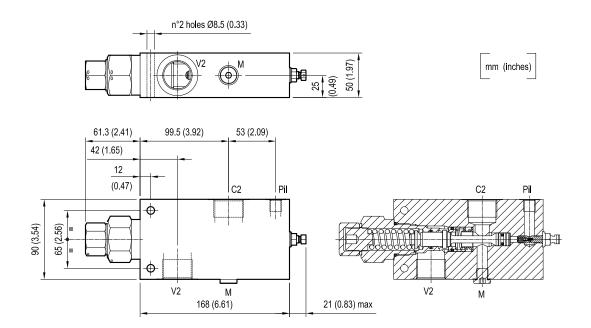
The pilot line includes adjustable hydraulic damping, for fine tuning of stability and response.

### General

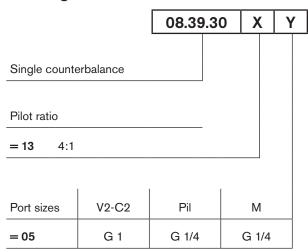
Manifold material		Steel
Weight		5.8 (12.8)
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

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

#### **Dimensions**



## Ordering code



	SPRINGS				
	Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (I/min.) bar (psi)		
	100-350	73	350		
= 35	(1450-5000)	(1059)	(5000)		

Material number	Туре	Material number
R930003887		
	<u> </u>	
		· · ·

Z

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.