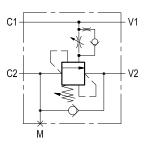
08.45.85 - X - Y - Z



RE 18307-44/04.10 1/2 Replaces: RE 00171/02.07

Single counterbalance

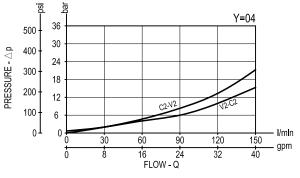
A-VBSO-SE-33-PL



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 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.





Technical data

Hydraulic

Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min (gpm)	150 (40)

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

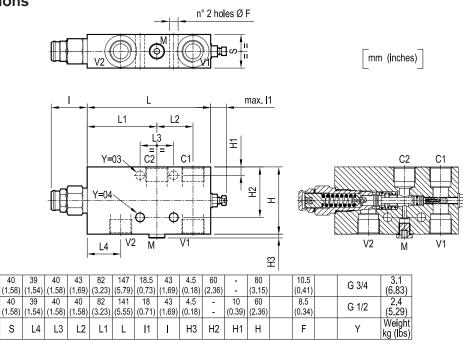
The pilot line includes adjustable hydraulic damping, for fine tuning of stability and response.

General

Manifold material		Steel
Weight		see "Dimensions"
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



Ζ

Ordering code

S

		08.45.85		Χ	Y	
Single counter	erbalance					
Pilot ratio						
= 13 4:1						
Port sizes	V1-V2	C1-C2		М		
= 03	G 1/2	G 1/2		G 1/4		
= 04	G 3/4	G 3/4		G 1/4		

		SPRINGS	
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (l/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 35	100-350	110	350
	(1450-5000)	(1595)	(5000)

Tamper resistant cap code 11.04.30.001 R930005194

Туре	Material number	Туре	Material number
08458513033500C	R930003551		
08458513043500C	R930003554		
		_	
		_	

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

 $\ensuremath{\mathbb{C}}$ 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.