

RE 18308-64/06.10 Replaces: RE00171/02.07

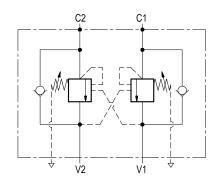
1/2

Dual counterbalance, vented



A-VBSO-DE-CCAP-78-FC2

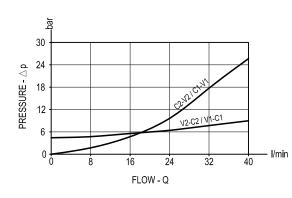
08.44.31 - X - Y - Z



Description

It provides static and dynamic control of load by regulating the flow IN and OUT of the actuator, through ports C1 and C2. This valve module includes 2 sections, each one composed by a check and a relief valve with balanced piston, pilot assisted by pressure in the opposite line: the check section allows free flow into the actuator, then holds the load against reverse movement; with pilot pressure applied at the line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow. Relief operates at the valve setting independent of back-pressure, but the piloted opening remains subject to additive pressure at V1 or V2. The relief spring chambers are vented to air: relief and piloted opening are independent of back-pressure at V1 or V2. For better safety and compact assembly, the C1 and C2 ports are gasket mounted directly on the actuator.

Performance



Technical data

Hydraulic

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

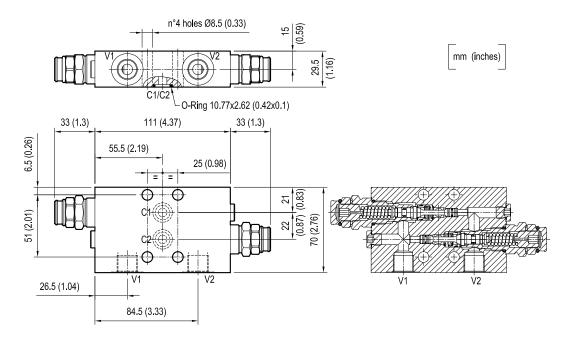
Relief setting: at least 1.3 times the highest expected load.

General

Manifold material		Steel
Weight	kg (lbs)	1.8 (4)
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)
Other technical data		see data sheet RE 18350-50

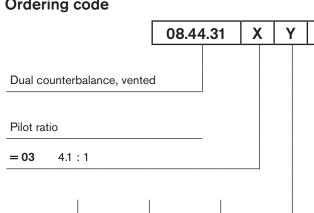
Note: for applications outside these parameters, please consult us.

Dimensions



Z

Ordering code



	SPRINGS			
	Adj. pressure	Pres. increase	Std. setting	
	range	bar/turn	Q=5 (I/min.)	
	bar (psi)	(psi/turn)	bar (psi)	
= 35	100-350	140	350	
	(1450-5000)	(2000)	(5000)	

Port sizes V1-V2 C1-C2 G 3/8 Ø 7 = 02

Tamper resistant cap code 11.04.36.001 R930005189

Туре	Material number	Туре	Material number
084431030235000	R930001974		
		_	
		_	
		_	
		·	

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.