

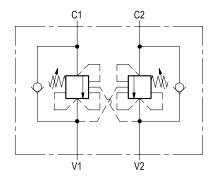
RE 18307-68/04.10

1/2 Replaces: RE 00171/02.07

Dual counterbalance, relief compensated

VBSO-DE-CC

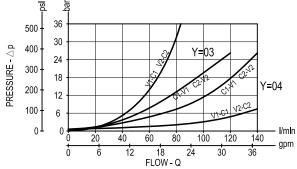
05.42.05 - X - Y - Z



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.

Performance



Technical data

Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)	
Max flow: see performance graph			

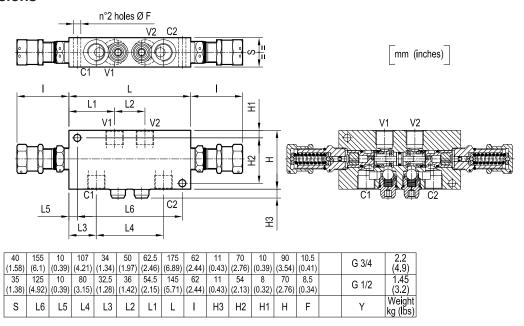
General

	Manifold material	Aluminium		
	Note: aluminium bodies are often strong enough for operating pressures			
n	exceeding 210 bar (3000 psi), depending from the fatigue life expected in the			
ı	specific application. If in doubt, consult our Service Network.			
	Woight	see "Dimensions"		

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



Z

Ordering code

		05.42	2.05	Х	Υ
	ounterbalance, ompensated				
Pilot ra	tio				
= 02	8.2:1				
= 10	3.2:1				

	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (I/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 20	60-210	54	200
	(900-3000)	(783)	(2900)
= 35	100-350	95	350
	(1450-5000)	(1378)	(5000)

Port sizes	V1-V2	C1-C2	
= 03	G 1/2	G 1/2	
= 04	G 3/4	G 3/4	

Туре	Material number
054205020320000	R930001786
05420502033500A	R930001787
054205020420000	R930001789
05420502043500B	R930001790
054205100320000	R930001942
05420510033500A	R930001794
054205100420000	R930001943
05420510043500A	R930001799

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

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Subject to change.