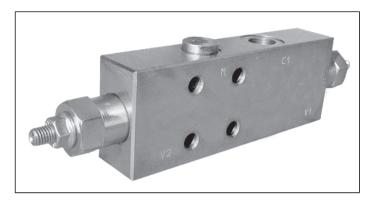


Dual counterbalance

A-VBSO-DE-30-FC1



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 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. Back-pressure at V1 or V2 is additive to the pressure setting in all functions. For better safety and compact assembly, the C2 port is gasket mounted directly on the actuator.



RE 18307-60 Edition: 03.2016

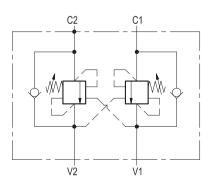
Replaces: 07.2010

Technical data

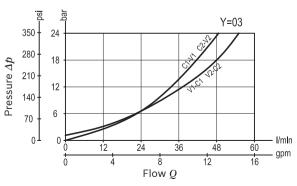
Max. operating pressure	410 bar (5945 psi)			
Max. flow	60 l/min. (16 gpm)			
Weight	see "Dimensions"			
Manifold material	Zinc plated steel			
Flange seal kit ¹⁾	E0000000000056 (R930060579)			
Fluid	Mineral oil (HL, HLP) according DIN 51524			
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)			
Viscosity range	5 to 800 mm ² /s (cSt)			
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406			
MTTFd	150 years see data sheet 18350-51			
Other technical data	see data sheet 18350-50			
Relief setting: at least 1.3 times the highest expected load.				

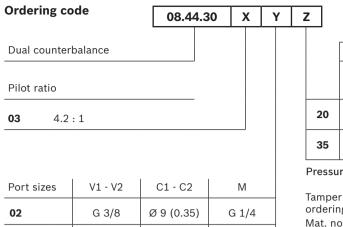
Note: for applications outside these parameters, please consult us.

¹⁾ Seals for 10 valves.



Characteristic curve





Ø 9 (0.35)

G 1/4

	SPRINGS				
	Adj. pressure	Pres. increase	Std. setting		
	range	bar/turn	Q=5 (l/min)		
	bar (psi)	(psi/turn)	bar (psi)		
20	60-210	63	200		
20	(870-3000)	(914)	(2900)		
25	180-350	138	350		
35	(2610-5000)	(2001)	(5000)		

Pressure setting up to 410 bar: code on request.

Tamper resistant cap code ordering code 11.04.23.002 Mat. no. R930000752

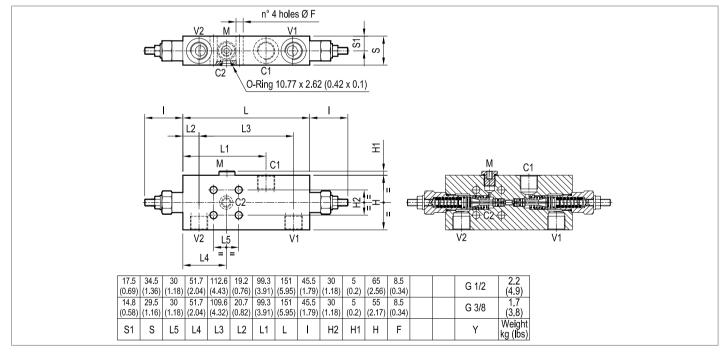
Preferred types

G 1/2

03

Туре	Material number	Туре	Material number
084430030220000	R930003428	084430030320000	R930003431
08443003023500B	R930003429	08443003033500A	R930003432

Dimensions



Bosch Rexroth Oil Control S.p.A.

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