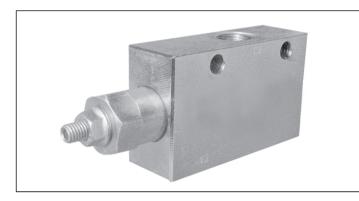
Rexroth Bosch Group

Single counterbalance

A-VBSO-SE-30



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.

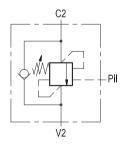
08.41.01 - X - Y - Z

RE 18307-37 Edition: 03.2016 Replaces: 07.2010

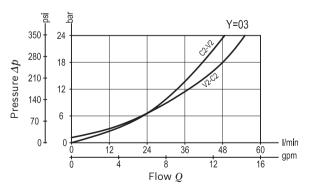
Technical data

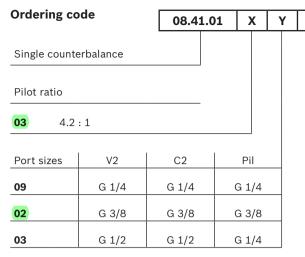
Max. operating pressure	410 bar (5945 psi)	
Max. flow	60 l/min. (16 gpm)	
Weight	see "Dimensions"	
Manifold material	Zinc plated steel	
Fluid	Mineral oil (HL, HLP) according DIN 51524	
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)	
Viscosity range	5 to 800 mm ² /s (cSt)	
Recommended degree of 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 load induced pressure.		

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



Characteristic curve





	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
	(870-3000)	(914)	(2900)
35	180-350	138	350
	(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

Туре	Material number	Туре	Material number
08410103022000B	R930003264	08410103033500B	R930003271
08410103023500B	R987234306	084101030920000	R930003272
08410103032000A	R930003270	08410103093500B	R930003273

Ζ

Dimensions

	Pil C2 V2
	$\frac{3}{2}$
35 47.6 (1.38) (1.87) 30 47.6	17.8 31 39.3 91 47 11 65 8.5 (0.7) (1.22) (1.55) (3.58) (0.43) (2.56) (0.34) 17.8 31 39.3 91 47 7 55 8.5 C C 240 17.8 31 39.3 91 47 7 55 8.5 C 240 1.1
(1.18) (1.87)	(0.7) (1.22) (1.55) (3.58) (1.85) (0.28) (2.17) (0.34)
30 47.6 (1.18) (1.87)	17.8 31 39.3 91 47 7 55 8.5 (0.7) (1.22) (1.55) (3.58) (1.85) (0.24) (0.34) G 1/4 1.1
S L4	L3 L2 L1 L I H1 H F Y Kg (lbs)

Bosch Rexroth Oil Control S.p.A.

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