

Dual counterbalance

RE 18307-64

Edition: 03.2016

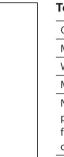
Replaces: 04.2010

VBSO-DE-FC2



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 C1 and C2 ports are gasket mounted directly on the actuator.



Technical data

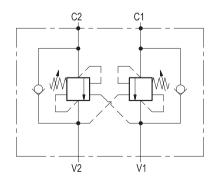
05.42.06 - X - Y - Z

Operating pressure	up to 210 bar (3000 psi)
Max. flow	see performance graph
Weight	see "Dimensions"
Manifold material	Aluminium

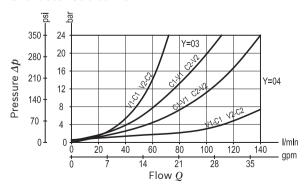
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Flange seal kit (03) 1)	E00000000000008 (R930004538)	
Flange seal kit (04) ²⁾	E00000000000020 (R930000144)	
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	
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.

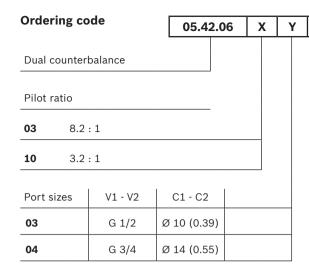


Characteristic curve



¹⁾ Seals for 10 valves

²⁾ Seals for 5 valves



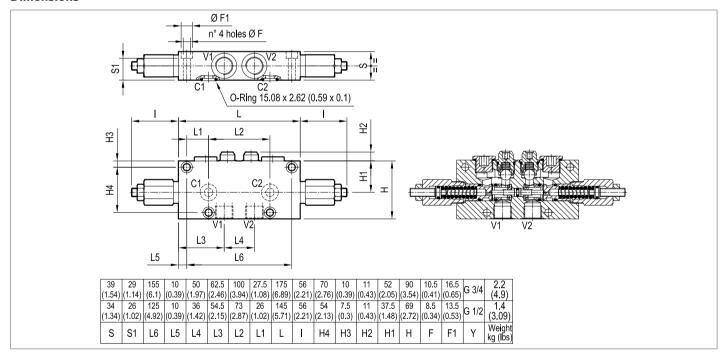
SPRINGS			
Adj. pressure	Pres. increase	Std. setting	
range	bar/turn	Q=5 (I/min)	
bar (psi)	(psi/turn)	bar (psi)	
120-350	106	350	
(1750-5000)	(1537)	(5000)	
	range bar (psi) 120-350	Adj. pressure Pres. increase range bar/turn psi) (psi/turn) 120-350 106	

Preferred types

Ту	уре	Material number	
05	5420603033500A	R930001803	
05	5420603043500A	R930001805	

Туре	Material number
05420610033500A	R930001806
054206100435000	R930001807

Dimensions



Z

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