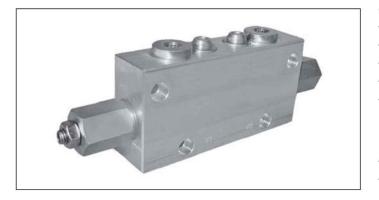
Dual counterbalance

RE 18307-58

Edition: 03.2016

Replaces: 04.2014

VBSO-DE-NN-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

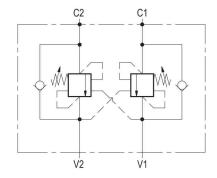
05.42.48 - X - Y - Z

Operating pressure	up to 210 bar (3000 psi)
Max. flow	40 l/min. (11 gpm)
Weight	0.8 kg (1.76 lbs)
Manifold material	Aluminium

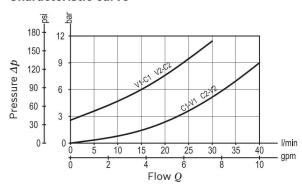
Note: aluminium bodies are often strong enough for operating pressures exceeding 210 bar (3000 psi), depending from the fatigue life expected in the specific application. If in doubt, consult our Service Network.

Flange seal kit 1)	E0000000000014 (R930005947)
rialige Seal Kit /	E000000000014 (R930003947)
Fluid	Mineral oil (HL, HLP) according
	DIN 51524
	DIN 31324
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	5 to 800 mm ² /s (cSt)
Recommended degree of fluid	Class 19/17/14 according to
contamination	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.

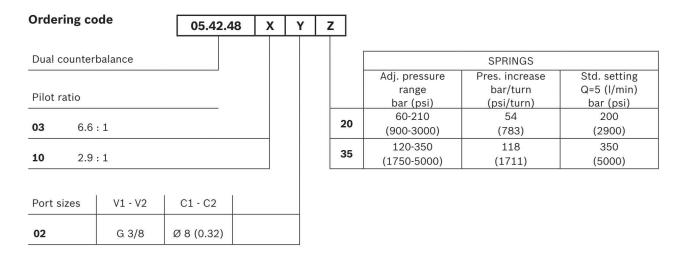


Characteristic curve



RE 18307-58/03.2016, Bosch Rexroth Oil Control S.p.A.

¹⁾ Seals for 10 valves.

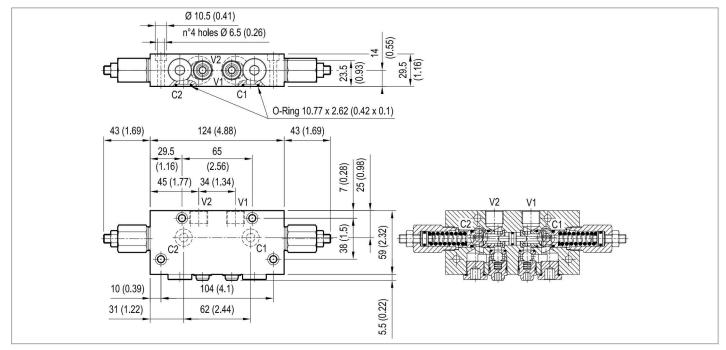


Preferred types

Туре	Material number
054248030220000	R930001879
054248030235000	R930001880

Туре	Material number
054248100220000	R930001882
054248100235000	R930001883

Dimensions



Bosch Rexroth Oil Control S.p.A.

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