

Dual counterbalance

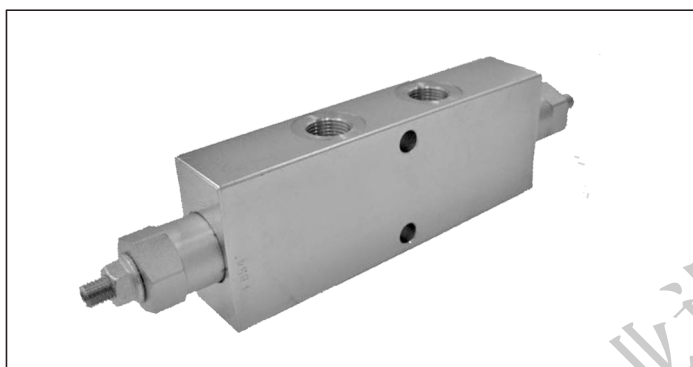
A-VBSO-DE-30-PI

08.48.11 - X - Y - Z

RE 18307-72

Edition: 03.2016

Replaces: 07.2012



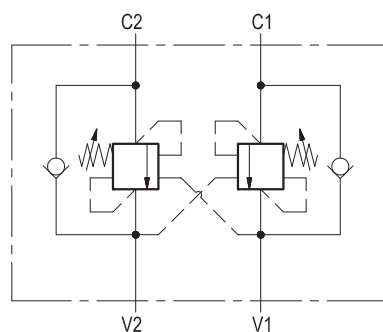
Technical data

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
Other technical data	see data sheet 18350-50
Relief setting: at least 1.3 times the highest expected load.	

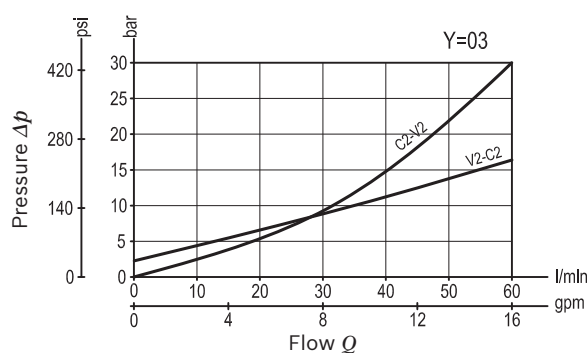
Note: for applications outside these parameters, please consult us.

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.



Characteristic curve



Ordering code

08.48.11	X	Y	Z
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Dual counterbalance

Pilot ratio

03 4.2 : 1

Port sizes	V1 - V2	C1 - C2	
02	G 3/8	G 3/8	
03	G 1/2	G 1/2	

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

Pressure setting up to 410 bar: code on request.

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

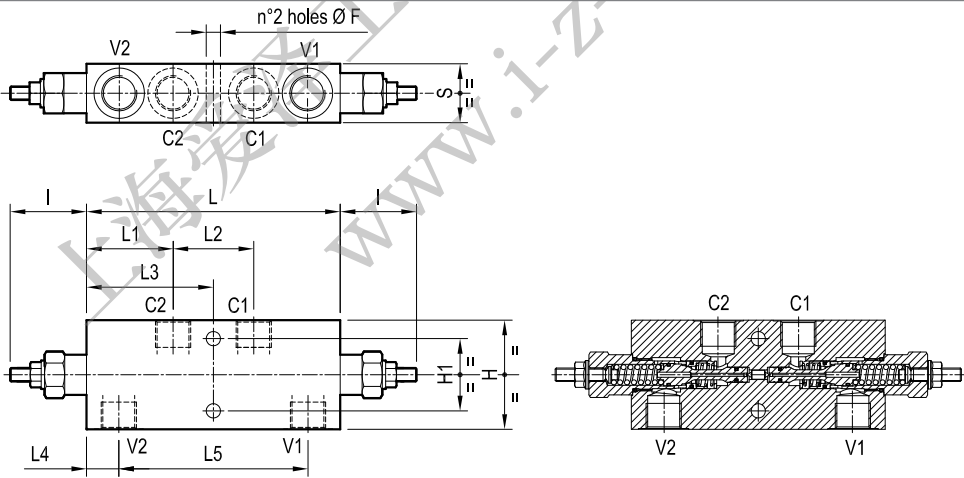


Preferred types

Type	Material number
084811030220000	R930006936
084811030235000	R930006445

Type	Material number
084811030320000	R930006817
084811030335000	R930006818

Dimensions



35	112.6 (1.38)	19.2 (0.76)	75.5 (2.97)	47.6 (1.87)	51.7 (2.04)	151 (5.95)	45.5 (1.79)	43 (1.69)	65 (2.56)	8.5 (0.34)				G 1/2	2.9 (6.4)
30	109.6 (1.18)	20.7 (0.82)	75.5 (2.97)	47.6 (1.87)	51.7 (2.04)	151 (5.95)	45.5 (1.79)	38 (1.5)	55 (2.17)	8.5 (0.34)				G 3/8	2.5 (5.5)
S	L5	L4	L3	L2	L1	L	I	H1	H	F				Y	Weight kg (lbs)