

Dual counterbalance

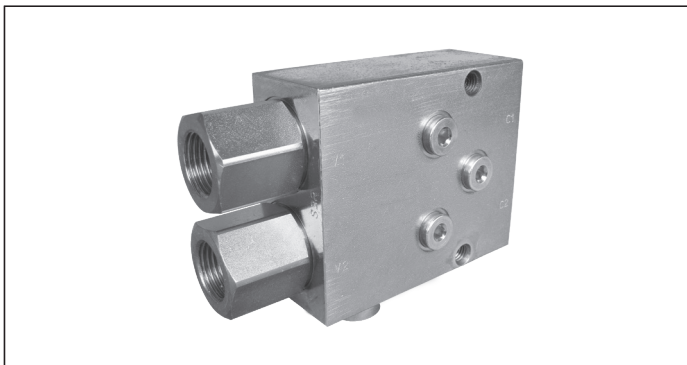
A-VBSO-DE-SAF

08.44.60 - X - Y - Z

RE 18307-62

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Replaces: 04.2014



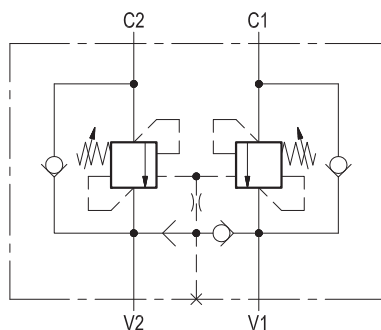
Description

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.

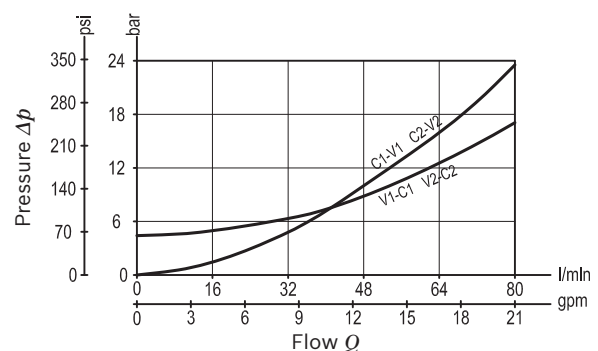
Technical data

Max. operating pressure	410 bar (5945 psi)
Max. flow	80 l/min. (21 gpm)
Weight	2.3 kg (5.1 lbs)
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	10 to 500 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



Ordering code

08.44.60	X	Y	Z
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Dual counterbalance	
Pilot ratio	
03	4.2 : 1

SPRINGS		
Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min) bar (psi)
35 100-350 (1450-5000)	147 (2132)	350 (5000)

Pressure setting up to 410 bar: code on request.

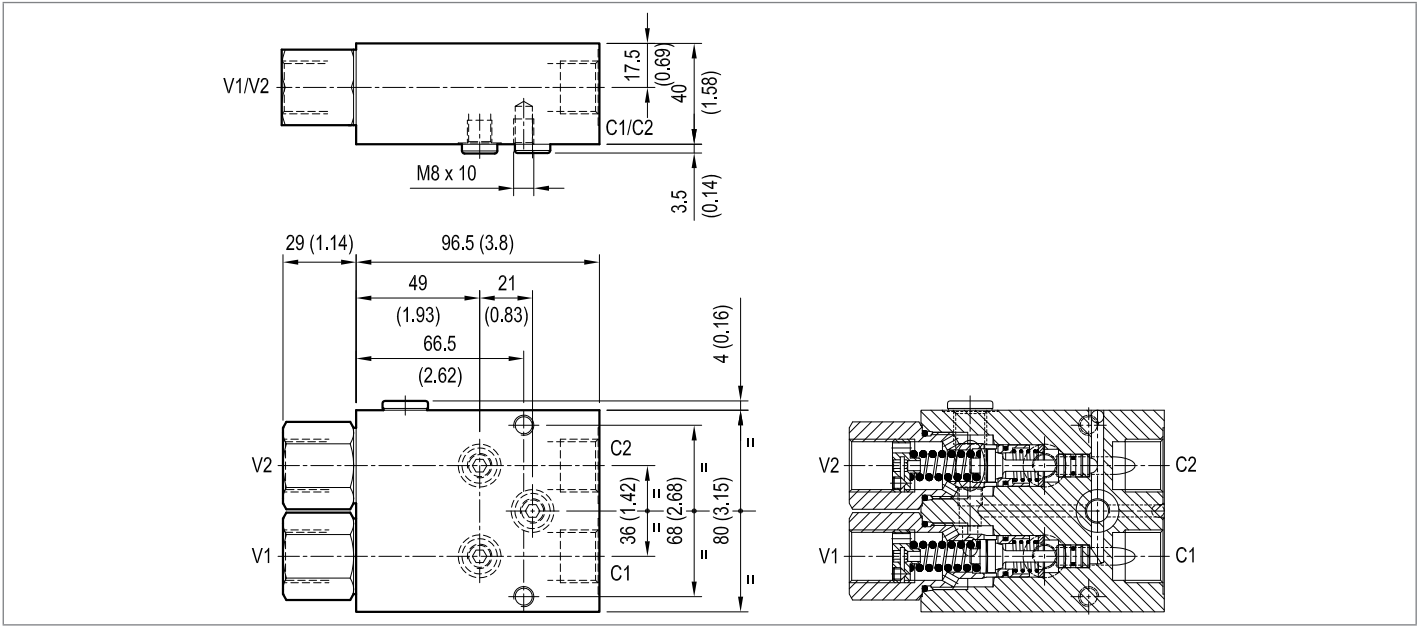
Port sizes	V1 - V2	C1 - C2	
03	G 1/2	G 1/2	

Preferred types

Type	Material number
084460030335000	R930003440

Type	Material number

Dimensions



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