

Dual counterbalance, vented

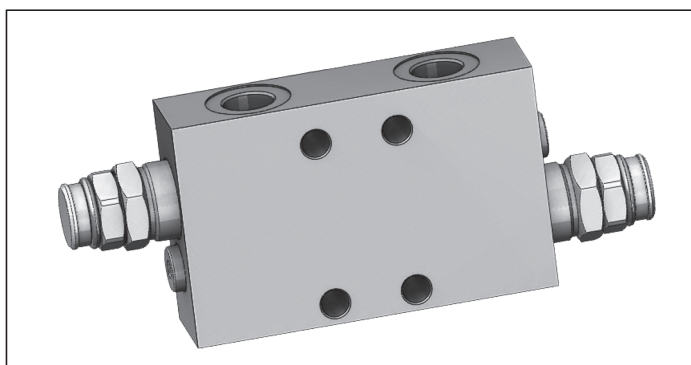
A-VBSO-DE-CCAP-78-FC2

08.44.31 - X - Y - Z

RE 18308-64

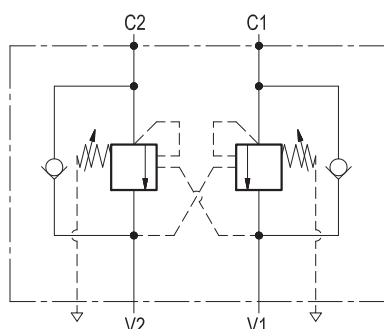
Edition: 03.2016

Replaces: 06.2010



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 with balanced piston, 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. Relief operates at the valve setting independent of back-pressure, but the piloted opening remains subject to additive pressure at V1 or V2. The relief spring chambers are vented to air: relief and piloted opening are independent of back-pressure at V1 or V2. For better safety and compact assembly, the C1 and C2 ports are gasket mounted directly on the actuator.



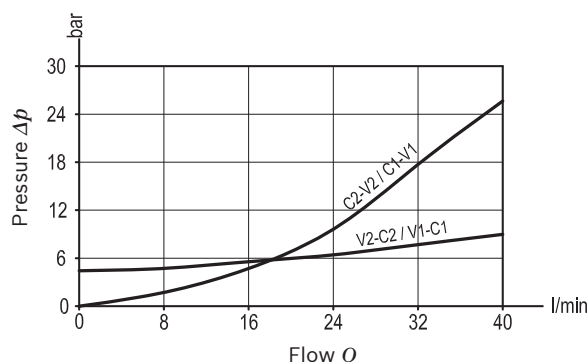
Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	40 l/min. (11 gpm)
Weight	1.8 kg (4 lbs)
Manifold material	Zinc plated steel
Flange seal kit ¹⁾	E00000000000014 (R930005947)
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.

¹⁾ Seals for 10 valves.

Characteristic curve



Ordering code

08.44.31			X	Y	Z
Dual counterbalance, vented					
Pilot ratio					
03 4.1 : 1					
Port sizes					
02 V1 - V2 C1 - C2					
G 3/8 Ø 7 (0.28)					

SPRINGS			
	Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min) bar (psi)
35	180-350 (2610-5000)	140 (2000)	350 (5000)

Tamper resistant cap code
ordering code 11.04.36.001
Mat. no. R930005189

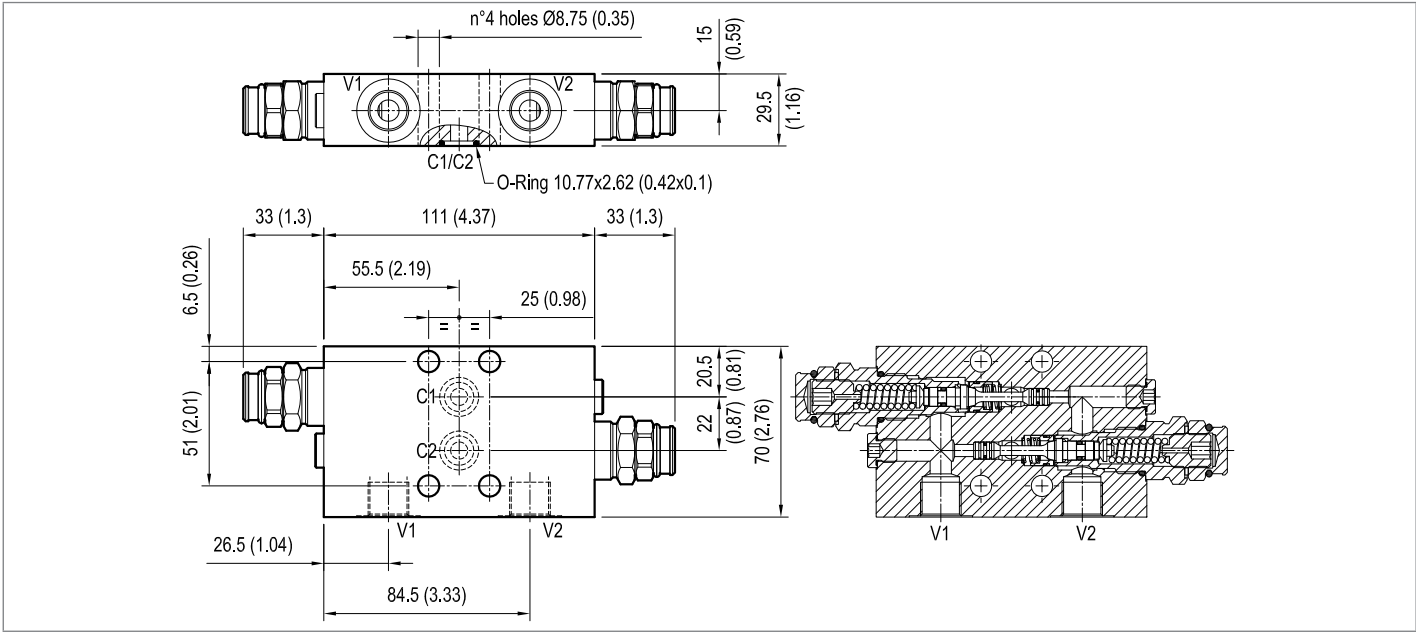


Preferred types

Type	Material number
084431030235000	R930001974

Type	Material number

Dimensions



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