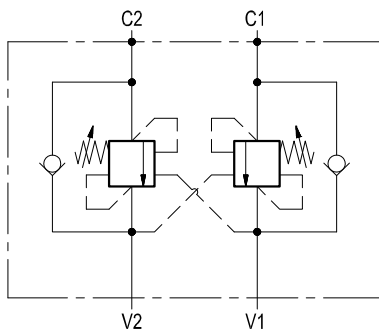
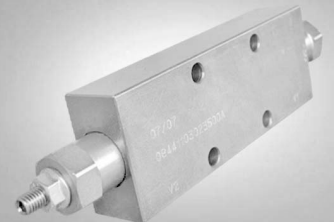


Dual counterbalance

A-VBSO-DE-30-FCB-PI

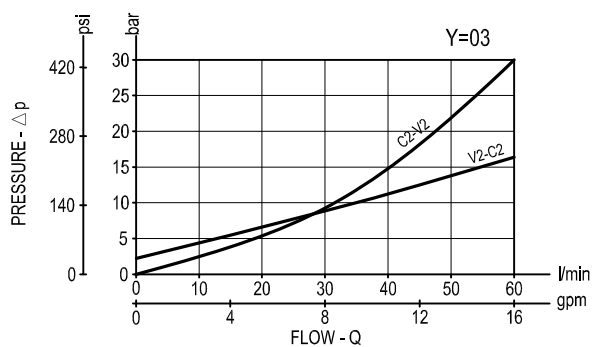
08.48.12 - X - Y - Z



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.

Performance



Technical data

Hydraulic

Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min (gpm)	60 (16)

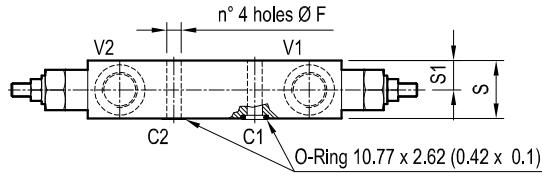
Relief setting: at least 1.3 times the highest expected load.

General

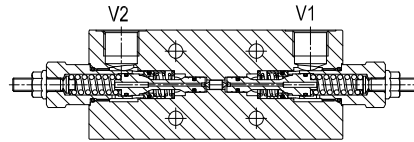
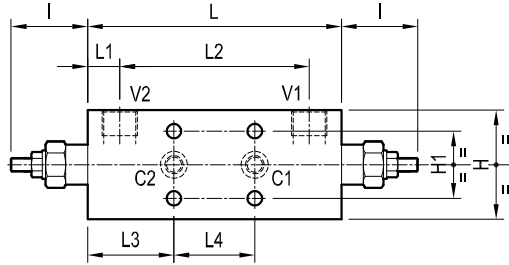
Manifold material	Steel
Weight	see "Dimensions"
Fluid temperature range	°C (°F) between -30 (-22) and +100 (212)
Other technical data	see data sheet RE 18350-50

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

Dimensions



[mm (inches)]



17.5 (0.69)	34.5 (1.36)	48 (1.89)	51.5 (2.03)	112.6 (4.43)	19.2 (0.76)	151 (5.95)	45.5 (1.79)	40 (1.58)	65 (2.56)	8.5 (0.34)				G 1/2	2.3 (5.1)
15 (0.59)	29.5 (1.16)	48 (1.89)	51.5 (2.03)	109.6 (4.32)	20.7 (0.82)	151 (5.95)	45.5 (1.79)	40 (1.58)	55 (2.17)	8.5 (0.34)				G 3/8	1.76 (3.88)
S1	S	L4	L3	L2	L1	L	I	H1	H	F				Y	Weight kg (lbs)

Ordering code

08.48.12 X Y Z

Dual counterbalance	
Pilot ratio	
= 03	4.2:1
= 85	11:1

Port sizes	V1-V2	C1-C2
= 02	G 3/8	Ø 9 (0.35)
= 03	G 1/2	Ø 9 (0.35)

		SPRINGS		
		Adj. pressure range bar (psi)	Pres. increase bar/turn (psi/turn)	Std. setting Q=5 (l/min.) bar (psi)
= 20	for X=03	60-210 (870-3000)	63 (914)	200 (2900)
	for X=85	60-250 (900-3600)	70 (1015)	200 (2900)
= 35	for X=03	100-350 (1450-5000)	138 (2001)	350 (5000)

Tamper resistant cap
code 11.04.23.002
R930000752

Type	Material number
084812030220000	R930006792
084812030235000	R930006446
084812030320000	R930006793
084812030335000	R930006447
084812850220000	R930006794
084812850320000	R930006795

Type	Material number