

RE 18307-39/04.10

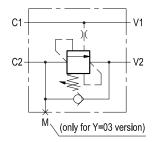
1/2 Replaces: RE 00171/02.07

Single counterbalance



A-VBSO-SE-30-PL

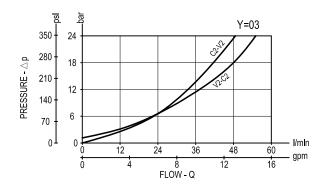
08.45.16 - X - Y - Z



Description

When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2, and any back-pressure at V2 is additive to the pressure setting in all functions.

Performance



Technical data

Hydraulic

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

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

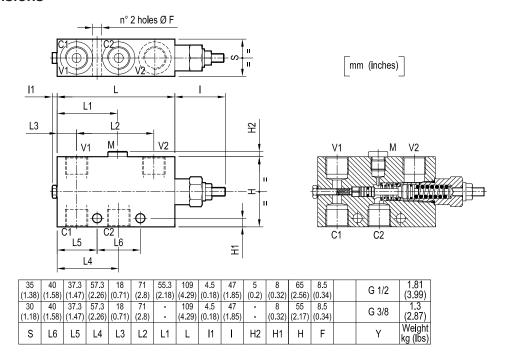
For higher stability at all flows and pressures, the pilot line includes hydraulic damping.

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



Ordering code

Ordering C	,oue				
		08.45.16	X	Υ	Z
Single counte	rbalance				
Pilot ratio					
= 03 4.2:	1				
Port sizes	V1-V2	C1-C2	М		

Port sizes	V1-V2	C1-C2	M
= 02	G 3/8	G 3/8	/
= 03	G 1/2	G 1/2	G 1/4

	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (I/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 20	60-210	56	200
	(870-3000)	(812)	(2900)
= 35	100-350	138	350
	(1450-5000)	(2001)	(5000)

Tamper resistant cap code 11.04.23.002 R930000752

Туре	Material number
08451603022000A	R930003475
08451603023500B	R930003476
08451603032000B	R930003480
08451603033500B	R930003481

Туре	Material number

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Subject to change.