1/2

RE 18307-48/04.10

Replaces: RE 00171/02.07

# Single counterbalance, relief compensated

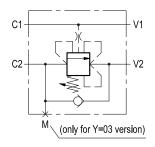
A-VBSO-SE-CC-30-PL

08.45.17 - X - Y - Z

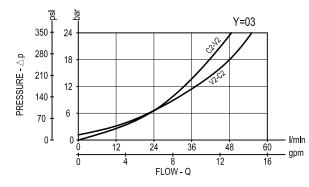


# **Description**

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 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. The valve applies a balanced piston design allowing relief operation at the valve setting independent of back-pressure at V2. However, the piloted opening of the valve remains subject to additive pressure at port V2.



## **Performance**



## **Technical data**

#### Hydraulic

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

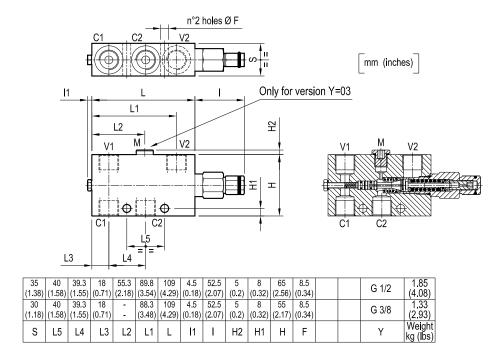
Relief setting: at least 1.3 times the highest expected load.

### 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

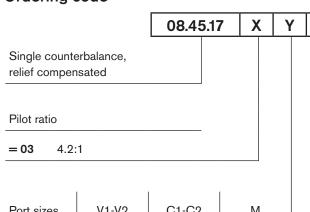
**Note:** for applications outside these parameters, please consult us.

#### **Dimensions**



Z

## Ordering code



	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (I/min.)
	bar (psi)	(psi/turn)	bar (psi)
= 20	60-210	75	200
	(870-3000)	(1088)	(2900)
= 35	100-350	165	350
	(1450-5000)	(2393)	(5000)

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

Туре	Material number
084517030220000	R930001936
08451703023500A	R930003486
084517030320000	R930001176
08451703033500B	R930003488

Туре	Material number

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Subject to change.