

1/2

RE 18307-40/07.12

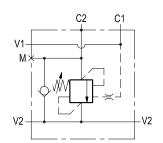
Replaces: RE 18307-40/07.10

Single counterbalance



A-VBSO-SE-30-PL-FC1

08.45.18 - X - Y - Z

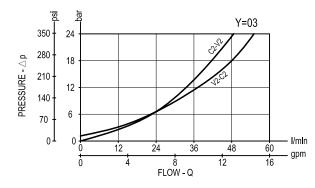


Description

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 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. For safety and compactness, the C2 port is gasket mounted the actuator.

Note: port identified with M are not protected with calibrated orifice but in direct connection with pressure channels.

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.

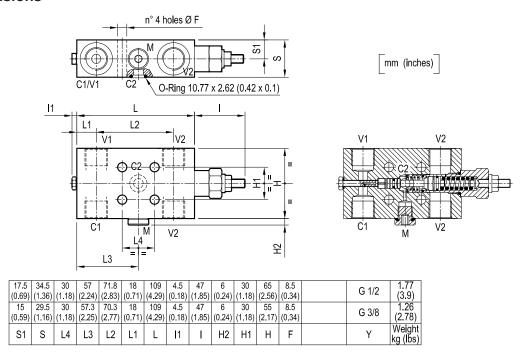
For higher stability at all flows and pressures, the pilot line includes hydraulic damping.

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



Ζ

Ordering code

08.45.18	Х	Υ
	08.45.18	08.45.18 X

Port sizes	V1-V2-C1	C2	M
= 02	G 3/8	Ø 9 (0.35)	G 1/4
= 03	G 1/2	Ø 9 (0.35)	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	63	200
	(870-3000)	(914)	(2900)
= 35	100-350	138	350
	(1450-5000)	(2001)	(5000)

Tamper resistant cap code 11.04.23.002 R930000752

Туре	Material number
084518030220000	R930003495
08451803023500B	R930003496
084518030320000	R930003497
08451803033500B	R930003498

Туре	Material number

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Subject to change.