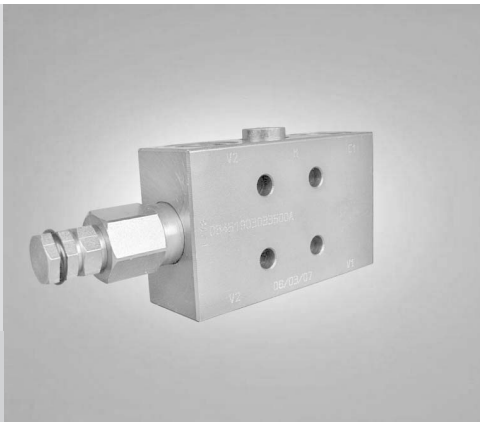
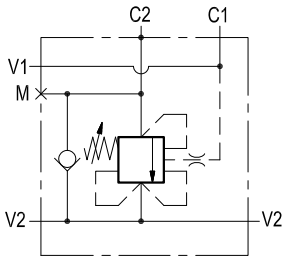
RE 18307-49/07.12
Replaces: RE 18307-49/04.10

Single counterbalance, relief compensated



A-VBSO-SE-CC-30-PL-FC1 **08.45.19 - X - Y - Z**

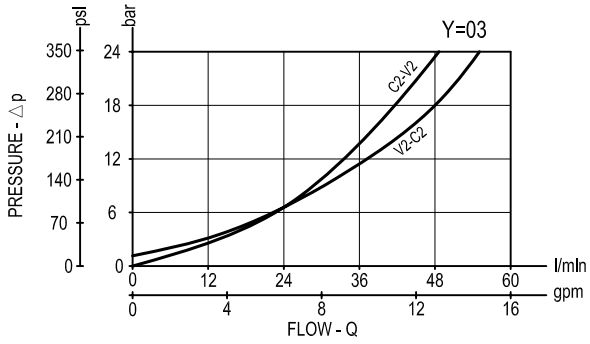


Description

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 and relief is operated 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. 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	l/min (gpm)	60 (16)

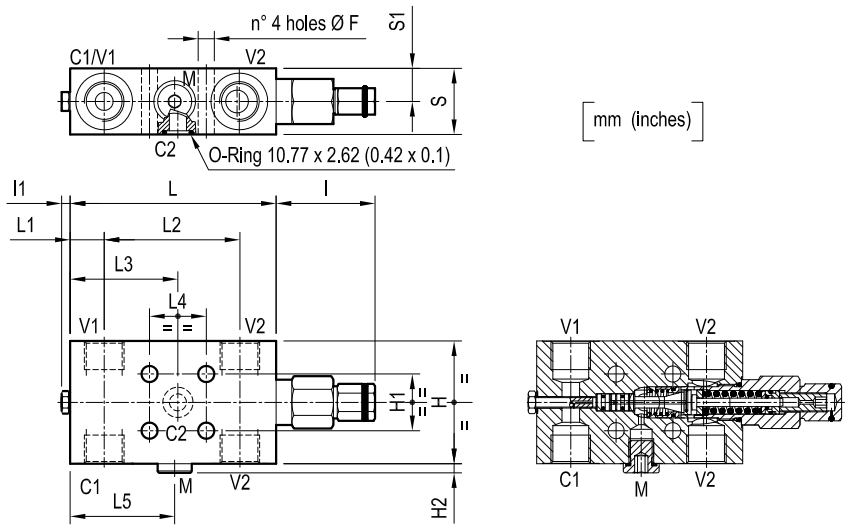
Relief setting: at least 1.3 times the highest expected load.

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



17.5 (0.69)	34.5 (1.36)	53.7 (2.11)	30 (1.18)	52 (2.05)	70.3 (2.77)	19.2 (0.76)	109 (4.29)	4.5 (0.18)	52.5 (2.07)	5 (0.2)	30 (1.18)	65 (2.56)	8.5 (0.34)		G 1/2	1.81 (3,99)
15 (0.59)	29.5 (1.16)	51.7 (2.04)	30 (1.18)	51.7 (2.04)	70.3 (2.77)	20.7 (0.82)	109 (4.29)	4.5 (0.18)	52.5 (2.07)	5 (0.2)	30 (1.18)	55 (2.17)	8.5 (0.34)		G 3/8	1.29 (2.84)
S	S	L5	L4	L3	L2	L1	L	I1	I	H2	H1	H	F		Y	Weight kg (lbs)

Ordering code

08.45.19	X	Y	Z

Single counterbalance, relief compensated

Pilot ratio

= 03 4.2:1

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

Type	Material number
084519030220000	R930001937
08451903023500A	R930003499
084519030320000	R930001938
08451903033500A	R930003500

Type	Material number

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