

# Single counterbalance, relief compensated

# A-VBSO-SE-CC-30-PL-FC1



# 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.



# 08.45.19 - X - Y - Z

# **RE 18307-49** Edition: 02.2022 Replaces: 07.2018

# Technical data

410 bar (5945 psi)		
60 l/min. (16 gpm)		
see "Dimensions"		
Zinc plated steel		
E0000000000056 (R930060579)		
Mineral oil (HL, HLP) according DIN 51524		
-30 °C to 100 (-22 to 212 °F)		
5 to 800 mm <sup>2</sup> /s (cSt)		
Class 19/17/14 according to ISO 4406		
150 years see data sheet 18350-51		
see data sheet 18350-50		
Relief setting: at least 1.3 times the highest expected load.		

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

<sup>1)</sup> Seals for 10 valves.

#### **Characteristic curve**





	SPRINGS		
	Adj. pressure	Pres. increase	Std. setting
	range	bar/turn	Q=5 (l/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)

Pressure setting up to 410 bar: code on request.

Tamper res	istant cap code	_
ordering co	de 11.04.23.003	
Mat. no.	R930000754	/

### Preferred types

Туре	Material number
08451903022000A	R930050435
08451903023500B	R930006213
08451903033500B	R930007174

Туре	Material number

## Dimensions



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