

RE 18320-11/01.10 1/2 Replaces: RE 00162-02/01.06

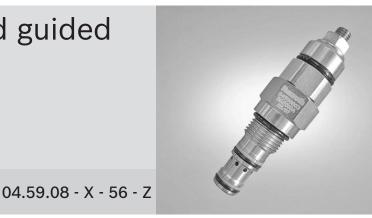
# Counterbalance, vented guided poppet type

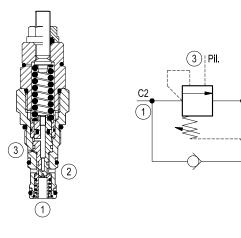
V2

(2)

Common cavity, Size 08

VBST-08AA

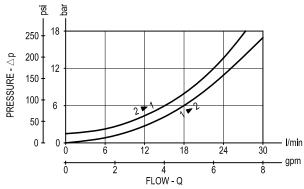




#### Description

When pressure at 2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from 2 to 1. When load pressure at 1 rises above the pressure setting, the directacting, relief function is activated and flow is relieved from 1 to 2. With pilot pressure at 3, the pressure setting is reduced in proportion to the stated ratio of the valve, until fully open with free-flow from 1 to 2. The spring chamber is vented to atmosphere allowing operation of all functions independent of back-pressure at 2.

#### Performance



### Technical data

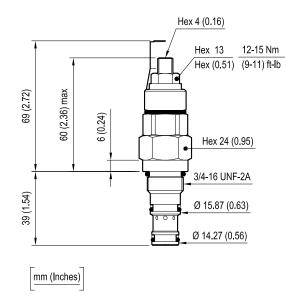
Max. operating press	sure bar (psi)	350 (5000)		
Max. flow	l/min. (gpm)	30 (8)		
Max. internal leakage (*)	drops/min.	15		
Fluid temperature ra	nge °C (°F)	-30 to 100 (-22 to 212)		
Installation torque	Nm (ft-lbs)	34-41 (25-30)		
Weight	kg (lbs)	0.19 (0.42)		
Cavity		CA-08A-3C see data sheet RE 18325-70		
Seal kit (**)	code material no.	RG08A9010520100 R901101592		
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)		
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14		
Installation		No restrictions		
Other Technical Dat	ta	See data sheet RE 18350-50		
-				

Pressure setting: at least 1.3 times the load induced pressure.

(\*) At 70% of pressure setting

(\*\*) Only external seals for 10 valves

#### Dimensions



OPTION Tamper resistant cap ordering code 11.04.23.002 Mat. no. R930000752

## Ordering code

[	04.59	9.08	Х	56	6	Z	00	*	]		
Counterbalance, vented g	guided							unc		rmances and dimen	sions
poppet type							Ver	sion	and options s	tandard	
										SPRINGS	
Pilot ratio							A	dj. p	ress. range	Pressure increase bar/turn	Std. setting bar (psi)
= 03 4:1								ba	ar (psi)	(psi/turn)	Q=5 I/min
						= 20	100	)-210	(1450-3000)	109 (1581)	200 (2900)
Common cavity, Size 08						= 35	200	)-350	(2900-5000)	137 (1987)	350 (5000)
										le. Contact factory ordering code	

Туре	Material number	Туре	Material number
04590803562000B	R901096065		
04590803563500B	R901096066		
Bosch Rexroth Oil Control S	S.p.A.	· · · · · · · · · · · · · · · · · · ·	well as the data, specifications and other
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41015 Nonantola – Modena, lt Tel. +39 059 887 611 Fax +39 059 547 848 cartridges@oilcontrol.com www.boschrexroth.com	i, italy	statements concernin application can be de does not release the u	ove only serve to describe the product. No og a certain condition or suitability for a certai rived from our information. The information g user from the obligation of own judgment and e remembered that our products are subject t ear and aging.
		Subject to change.	