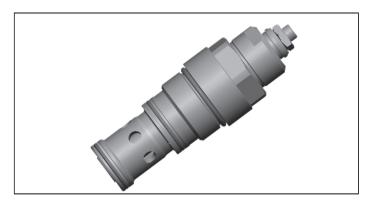


# Counterbalance, standard poppet type zero differential area Common cavity, Size 20

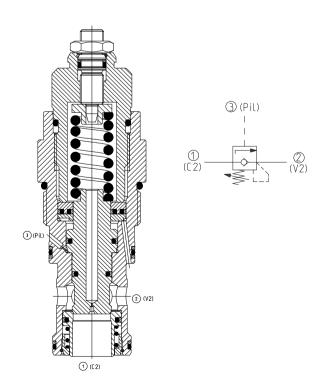
VBSZ-20A 04.52.41 - X - 58 - Z

**RE 18319-99**Edition: 05.2022
Replaces: 03.2016



## Description

When pressure at 2 rises above the check spring bias pressure, the seat is pushed away from the piston and flow is allowed from 2 to 1. Reverse flow is locked, unless the pilot pressure at 3 rises above the piston spring bias pressure (adjustable). Any back-pressure at 2 is additive to the pressure setting. Valve design prevents spring going solid and complete unscrewing during adjusting.

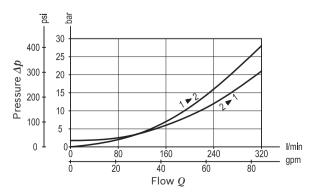


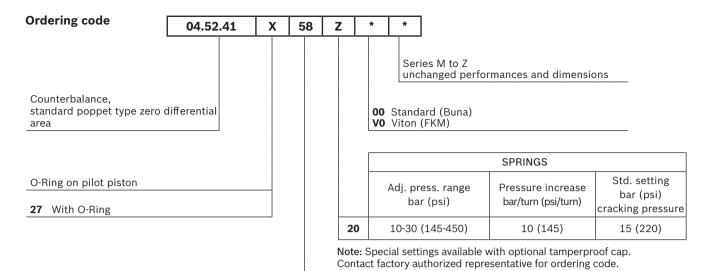
Technical data		
Max. operating pressure	350 bar (5000 psi)	
Max. flow	320 l/min (85 gpm)	
Max. internal leakage <sup>1)</sup>	15 drops/min.	
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)	
Installation torque	128 - 149 Nm (95 - 110 ft-lbs)	
Weight	1.12 kg (2.5 lbs)	
MTTFD	150 years see RE 18350-51	
Cavity	CA-20A-3C (see data sheet 18325-70)	
Adjustment	according to ISO 4413 with sealed adjustment screw to prevent oil leakage during adjustment	
Salt spray test	500h according to DIN EN ISO 9227:2017-07	
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory	
Seal kit	Code: RG20A9010530100	
	material no: R901111397	
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)	
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14	
Installation position	No restrictions	
Other Technical Data	See data sheet 18350-50	
	<u> </u>	

Pressure setting: at least 1.3 times the load induced pressure and maximum 1.5 times catalogue max nominal setting.

1) At 70% of pressure setting

### **Characteristic curve**





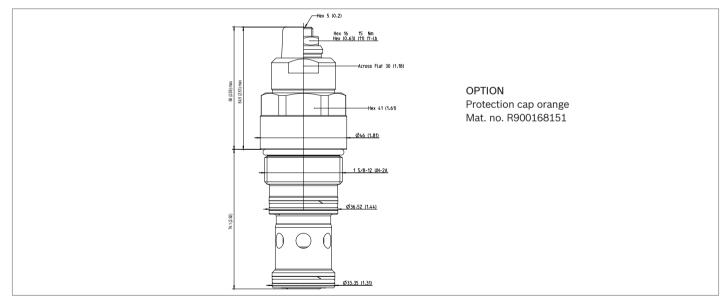
### **Preferred types**

58 Common cavity, Size 20

2

Туре	Material number	Туре	Material number
04524127582000M	R930081387		

#### **Dimensions**



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