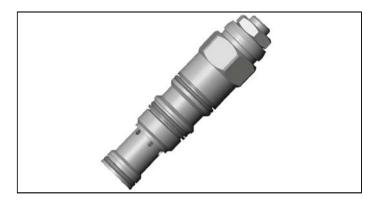


# Counterbalance, standard guided poppet type, counterclockwise adjustment SUN cavity interchange, T-11A

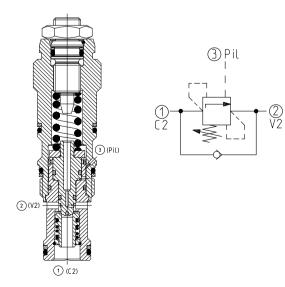
## VBSN-08UU-RS



### 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 (turn counterclockwise to increase setting - turn clockwise to decrease setting), the direct-acting, 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 drained to 2, and any back-pressure at 2 is additive to the pressure setting in all functions. Valve design prevents spring going solid and complete unscrewing during adjusting.



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RE 18320-16

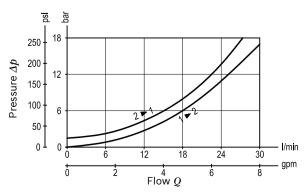
Edition: 01.2021 Replaces: 02.2020

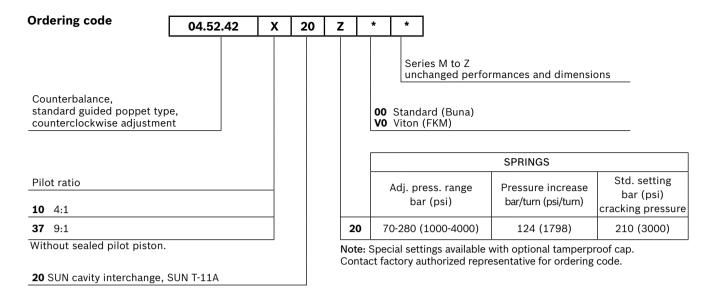
Technical data		
Max. operating pressure	280 bar (4000 psi)	
Max. flow	30 l/min (8 gpm)	
Max. internal leakage <sup>1)</sup>	5 drops/min.	
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)	
Installation torque	40 - 50 Nm (30 - 37 ft-lbs)	
Weight	0.18 kg (0.4 lbs)	
MTTFD	150 years see RE 18350-51	
Cavity	SUN T-11A	
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 <sup>2)</sup>	Code: RG08U9020110100	
	material no: R901193388	
Fluids	Mineral-based or synthetics with lubri- cating properties at viscosities of 10 to 500 mm²/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	

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
- 2) Only external seals for 10 valves

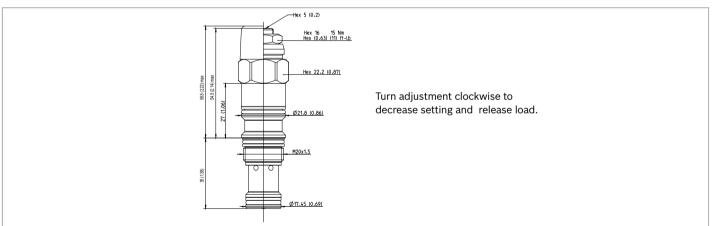
#### **Characteristic curve**





Туре	Material number	Туре	Material number
04524210202000M	R930081254		
04524237202000M	R930081258		

#### Dimensions



#### Bosch Rexroth Oil Control S.p.A.

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