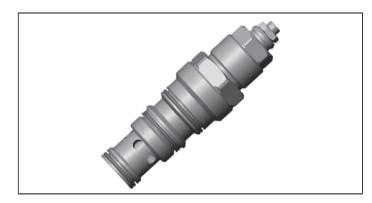


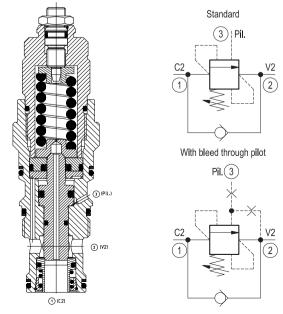
Counterbalance, standard poppet type differential area, counterclockwise adjustment SUN cavity interchange, T-17A

VBSN-16U-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 directacting, differential area 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. 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.



04.52.45 - X - 47 - Z

RE 18320-19

Edition: 07.2023 Replaces: 01.2021

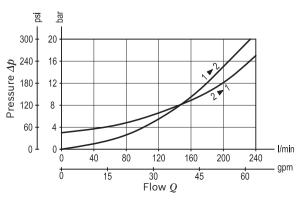
Technical data		
Max. operating pressure	420 bar (6000 psi)	
Max. flow	240 l/min (63 gpm)	
Max. internal leakage ¹⁾	15 drops/min.	
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)	
Installation torque	200 - 215 Nm (148 - 159 ft-lbs)	
Weight	0.8 kg (1.76 lbs)	
MTTFD	150 years see RE 18350-51	
Cavity	SUN T-17A	
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 ²⁾	Code: RG16U9020110100	
	material no: R930000995	
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /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	

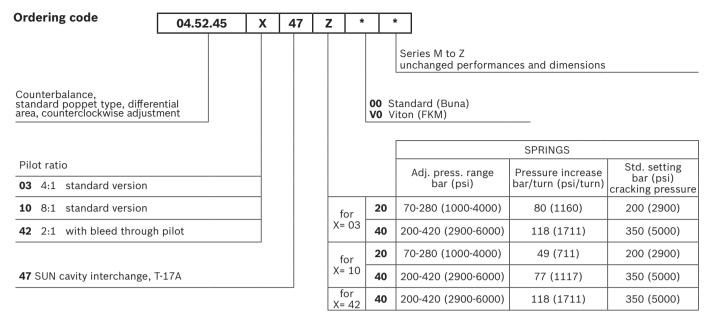
Pressure setting: at least 1.3 times the load induced pressure and maximum 1.5 times catalogue max nominal setting.

1) At 70% of pressure setting

2) Only external seals for 10 valves

Characteristic curve



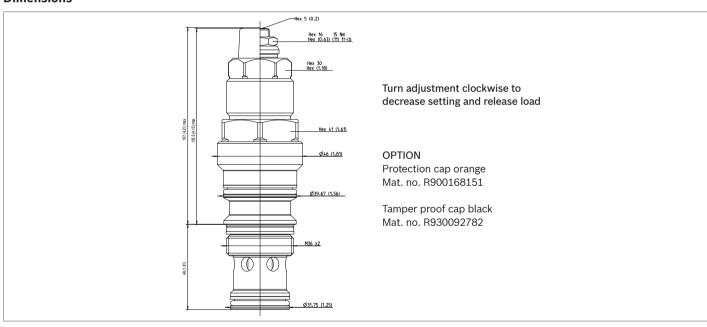


Note: Special settings available with optional tamperproof cap. Contact factory authorized representative for ordering code.

Preferred types

Туре	Material number	Туре	Material number
04524503472000M	R930081290	04524510474000M	R930081293
04524503474000M	R930081291	04524542474000M	R930081374
04524510472000M	R930081292		

Dimensions



Bosch Rexroth Oil Control S.p.A.

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