

Counterbalance, standard poppet type differential area, counterclockwise adjustment SUN cavity interchange, T-2A

VBSN-12U-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. 04.52.44 - X - 86 - Z

RE 18320-18

Edition: 06.2024 Replaces: 07.2023

Technical data		
Max. operating pressure	350 bar (5000 psi)	
Max. flow	120 l/min (32 gpm)	
Max. internal leakage ¹⁾	15 drops/min.	
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)	
Installation torque	60 - 70 Nm (44 - 52 ft-lbs)	
Weight	0.37 kg (0.82 lbs)	
Cavity	SUN T-2A	
Lines bodies and standard	Please refer to section "Hydraulic	
assemblies	integrated circuit" or consult factory	
Seal kit ²⁾	Code: RG12U9020110100	
	material no: R930005599	
Fluids	Mineral-based or synthetics with	
	lubricating properties	
	at viscosities of 10 to 500 mm ² /s (cSt)	
Recommended degree of	Nominal value max. 10µm (NAS 8) /	
fluid contamination	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.

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
04524403862000M	R930081279	04524435863500M	R930081487
04524403863500M	R930081281	04524442862000M	R930081372
04524410862000M	R930081285	04524442863500M	R930081373
04524410863500M	R930081286		

Dimensions



Bosch Rexroth Oil Control S.p.A.

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