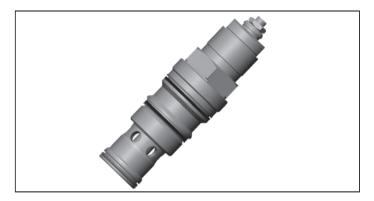


Counterbalance, relief compensated poppet type differential area, counterclockwise adjustment Sun cavity interchange, T-19A

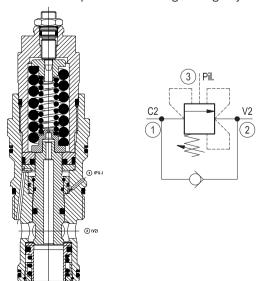
VBSP-25U-RS 04.54.18 - X - 50 - Z

4.54.18 - X - 50 - Z Edition: 07.2023 Replaces: 01.2021



## 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, 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. The valve applies a balanced piston design allowing relief operation at the valve setting independent of back-pressure at 2. However, the piloted opening of the valve remains subject to additive pressure at port 2. Valve design prevents spring going solid and complete unscrewing during adjusting.

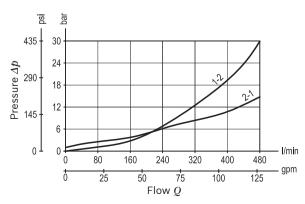


420 bar (6000 psi)	
420 bar (6000 psi)	
480 l/min (127 gpm)	
15 drops/min.	
-30 to 100 °C (-22 to 212 °F)	
475 - 500 Nm (352 - 370 ft-lbs)	
1.7 kg (3.7 lbs)	
150 years see RE 18350-51	
SUN T-19A	
Please refer to section "Hydraulic integrated circuit" or consult factory	
according to ISO 4413 with sealed adjustment screw to prevent oil leakage during adjustment	
500h according to DIN EN ISO 9227:2017-07	
Code: RG25U9020110100	
material no: R930006268	
Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)	
Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14	
No restrictions	
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.

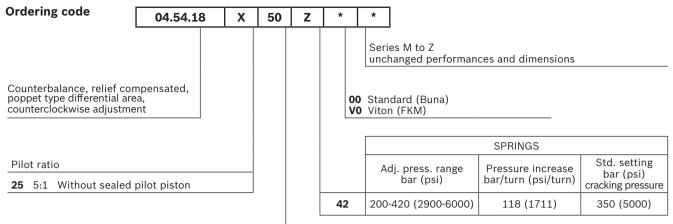
- 1) At 70% of pressure setting
- 2) Only external seals for 10 valves

## **Characteristic curve**





2



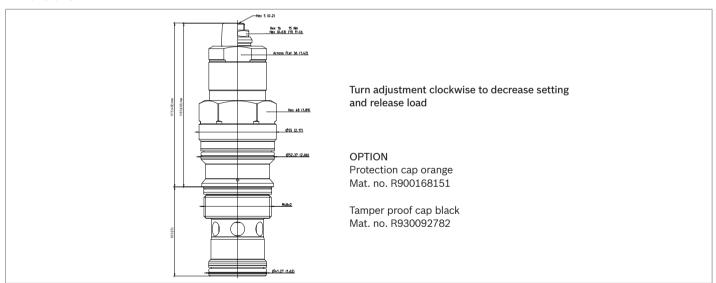
**Note:** Special settings available with optional tamperproof cap. Contact factory authorized representative for ordering code.

**50** SUN cavity interchange, T-19A

**Preferred types** 

Туре	Material number	Туре	Material number
04541825504200M	R930081319		
	-		<u>'</u>

## **Dimensions**



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