

# Counterbalance, standard poppet type differential area, counterclockwise adjustment SUN cavity interchange, T-19A

2

# VBSN-25U-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.



04.52.46 - X - 50 - Z

RE 18320-29

Edition: 07.2023 Replaces: 01.2020

350 bar (5000 psi)
180 l/min (127 gpm)
5 drops/min.
30 to 100 °C (-22 to 212 °F)
175 - 500 Nm (352 - 370 ft-lbs)
1.7 kg (3.7 lbs)
50 years see RE 18350-51
SUN T-19A
according to ISO 4413 with sealed adjustment screw to prevent oil eakage during adjustment
500h according to DIN EN ISO 9227:2017-07
Please refer to section "Hydraulic ntegrated circuit" or consult factory
Code: RG25U9020110100
naterial no: R930006268
Aineral-based or synthetics with ubricating properties at viscosities of 10 to 500 mm²/s (cSt)
Jominal value max. 10µm (NAS 8) / SO 4406 19/17/14
lo restrictions

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





#### **Preferred types**

Туре	Material number	Туре	Material number
04524625503500M	R930081297		

#### Dimensions



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

Via Leonardo da Vinci 5 P.O. Box no. 5 41015 Nonantola – Modena, Italy Tel. +39 059 887 611 Fax +39 059 547 848 compact-hydraulics-cv@boschrexroth.com www.boschrexroth.com/compacthydraulics © This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent. The data specified above only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that our products are subject to a natural process of wear and aging. Subject to change.