

# 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

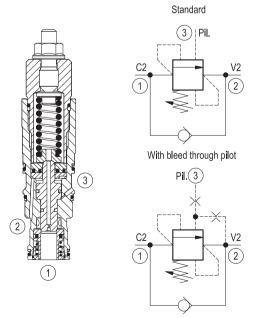
Edition: 02.2019 Replaces: 03.2016

Technical data		
Max. operating pressure	350 bar (5000 psi)	
Max. flow	120 l/min (32 gpm)	
Max. internal leakage <sup>1)</sup>	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 <sup>2)</sup>	Code: RG12U9020110100	
	material no: R930005599	
Fluids	Mineral-based or synthetics with	
	lubricating properties	
	at viscosities of 10 to 500 mm <sup>2</sup> /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	

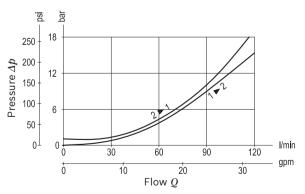
Pressure setting: at least 1.3 times the load induced pressure.

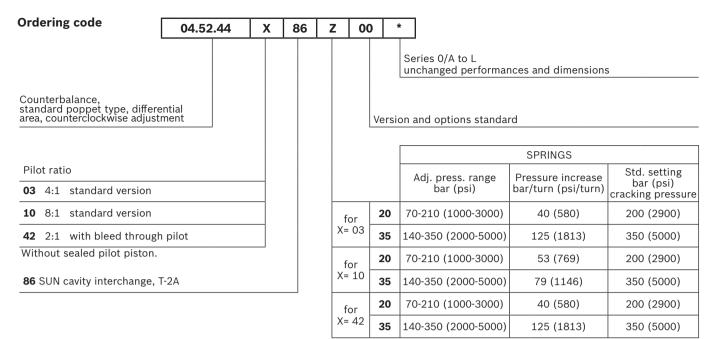
1) At 70% of pressure setting

2) Only external seals for 10 valves



### **Characteristic curve**



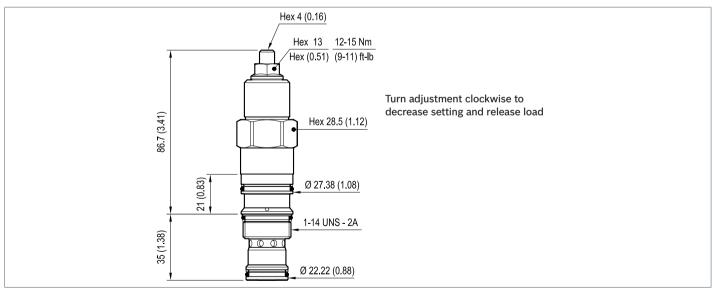


Note: Special settings available. Contact factory authorized representative for ordering code.

#### **Preferred types**

Туре	Material number	Туре	Material number
045244038620000	R930006116	045244108635000	R930006119
045244038635000	R930006117	045244428620000	R930006120
045244108620000	R930006118	045244428635000	R930006121

#### Dimensions



Bosch Rexroth Oil Control S.p.A.

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