

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

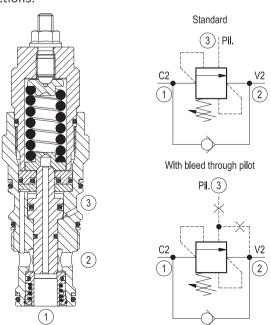
VBSN-16U-RS 04.52.45 - X - 47 - Z

**RE 18320-19**Edition: 06.2019
Replaces: 03.2016



## 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.

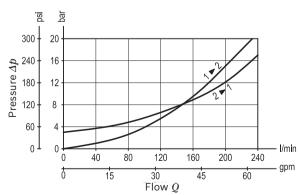


Technical data	
Max. operating pressure	420 bar (6000 psi)
Max. flow	240 l/min (63 gpm)
Max. internal leakage <sup>1)</sup>	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	200 - 215 Nm (148 - 159 ft-lbs)
Weight	0.8 kg (1.76 lbs)
Cavity	SUN T-17A
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>2)</sup>	Code: RG16U9020110100
	material no: R930000995
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /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

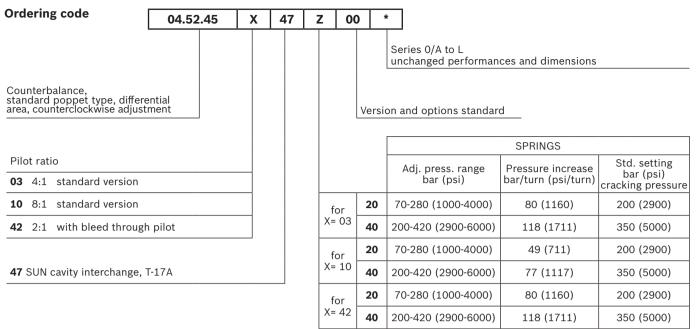
Pressure setting: at least 1.3 times the load induced pressure.

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

# **Characteristic curve**







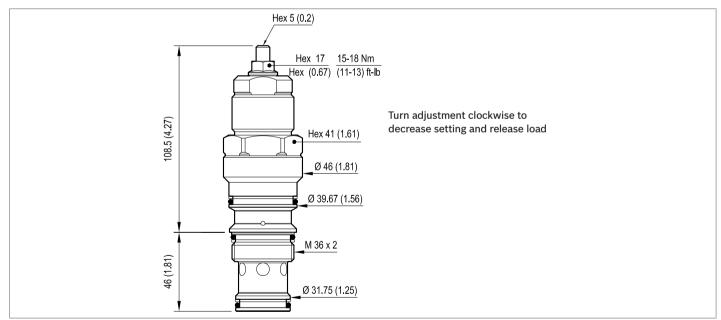
Note: Special settings available. Contact factory authorized representative for ordering code.

**Preferred types** 

Туре	Material number
045245034720000	R930000051
045245034740000	R930000052
045245104720000	R930000053

Туре	Material number
045245104740000	R930000054
045245424720000	R930000055
045245424740000	R930000056

#### **Dimensions**



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