

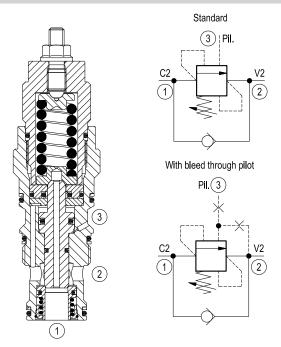
RE 18320-19/01.10
Replaces: RE 00162-02/01.06

# Counterbalance, standard poppet type, differential area, counterclockwise adjustment

SUN cavity interchange, T-17A

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

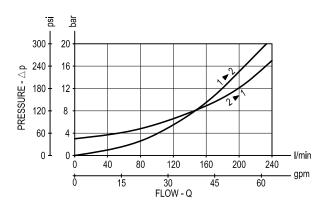




# Description

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.

## Performance



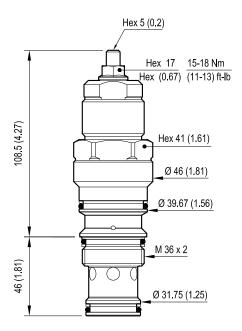
# Technical data

Max. operating press	ure bar (psi)	420 (6000)		
Max. flow I/min. (gpm)		240 (63)		
Max. internal leakage (*)	drops/min.	15		
Fluid temperature ran	nge °C (°F)	-30 to 100 (-22 to 212)		
Installation torque	Nm (ft-lbs)	200-215 (148-159)		
Weight kg (lbs)		0.8 (1.76)		
Cavity		SUN T-17A		
Seal kit (**)	code material no.	RG16U9020110100 R930000995		
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /s (cSt)		
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14		
Installation		No restrictions		
Other Technical Dat	a	See data sheet RE 18350-50		

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

- (\*) At 70% of pressure setting
- (\*\*) Only external seals for 10 valves

### **Dimensions**



Turn adjustment clockwise to decrease setting and release load

mm (Inches)

# Ordering code

04.52.45 X 47 Z 00 \*

Series 0/A to L unchanged performances and dimensions

Counterbalance, standard poppet type, differential area, counterclockwise adjustment

Version and options standard

### Pilot ratio

- = 03 4:1 standard version
- = 10 8:1 standard version
- = 42 2:1 with bleed through pilot

SUN cavity interchange, SUN T-17A

		SPRINGS			
		Standard setting bar (psi)	Pres. increase bar/turn (psi/turn)	Cracking pressure bar (psi)	
for X=03	= 20	70-280 (1000-4000)	80 (1160)	200 (2900)	
	= 40	200-420 (2900-6000)	118 (1711)	350 (5000)	
for X=10	= 20	70-280 (1000-4000)	49 (711)	200 (2900)	
	= 40	200-420 (2900-6000)	77 (1117)	350 (5000)	
for X=42	= 20	70-280 (1000-4000)	80 (1160)	200 (2900)	
	= 40	200-420 (2900-6000)	118 (1711)	350 (5000)	

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

Туре	Material number
045245034720000	R930000051
045245034740000	R930000052
045245104720000	R930000053
045245104740000	R930000054
045245424720000	R930000055

Туре	Material number
045245424740000	R930000056

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Subject to change.