

RE 18320-16/01.10

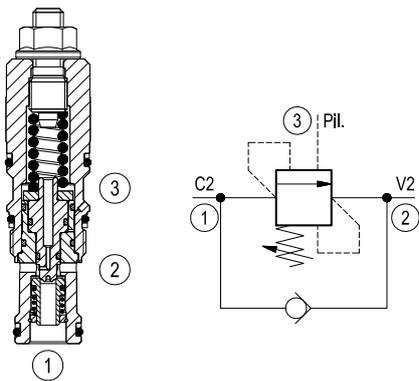
1/2

Replaces: RE 00162-02/01.06

Counterbalance,
 standard guided poppet type,
 counterclockwise adjustment
 SUN cavity interchange, T-11A

VBSN-08UU-RS

04.52.42 - X - 20 - Z

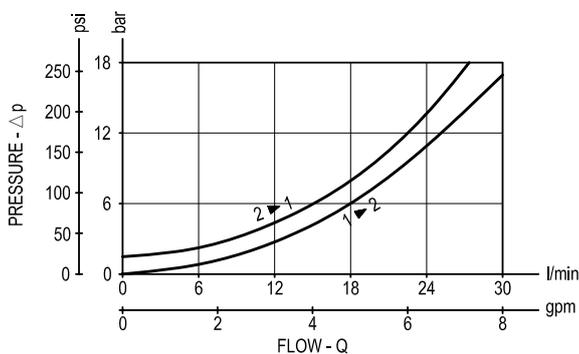


Description

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 direct-acting, 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 spring chamber is drained to 2, and any back-pressure at 2 is additive to the pressure setting in all functions.

Performance



Technical data

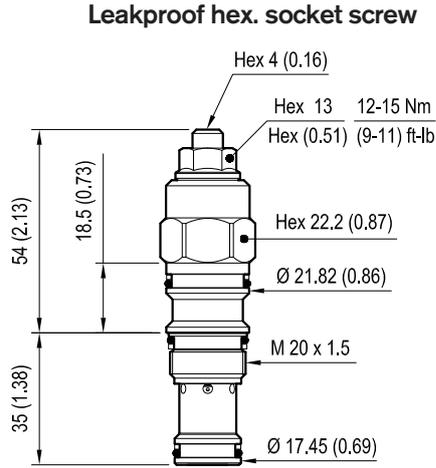
Max. operating pressure	bar (psi)	280 (4000)
Max. flow	l/min. (gpm)	30 (8)
Max. internal leakage (*)	drops/min.	15
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	40-50 (30-37)
Weight	kg (lbs)	0.18 (0.4)
Cavity		SUN T-11A
Seal kit (**)	code material no.	RG08U9020110100 R901193388
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14
Installation		No restrictions
Other Technical Data		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

04.52.42	X	20	Z	00	*
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Counterbalance, standard guided poppet type, counterclockwise adjustment

Pilot ratio

= 10 4:1

= 37 9:1

SUN cavity interchange, SUN T-11A

Series O/A to L unchanged performances and dimensions

Version and options standard

	SPRINGS		
	Standard setting bar (psi)	Pres. increase bar/turn (psi/turn)	Cracking pressure bar (psi)
= 20	70-280 (1000-4000)	124 (1798)	210 (3000)

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

Type	Material number
045242102020000	R930006107
045242372020000	R930006108

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