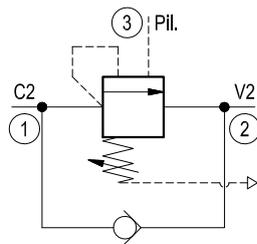
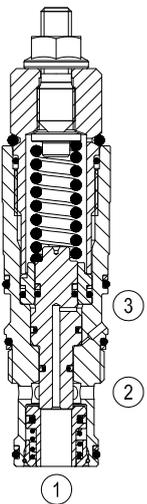


Counterbalance, vented guided poppet type, counterclockwise adjustment SUN cavity interchange, T-2A

VBST-12U-RS

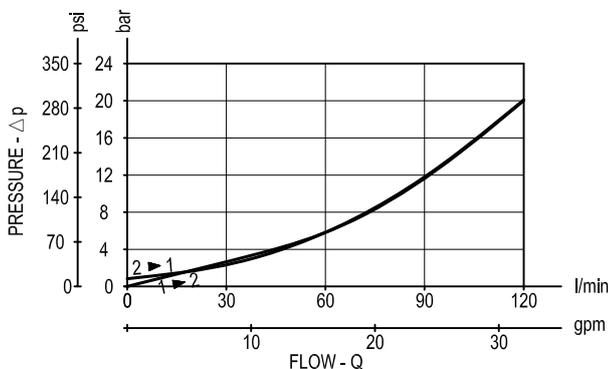
04.59.30 - X - 86 - Z



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 vented to atmosphere allowing operation of all functions independent of back-pressure at 2.

Performance



Technical data

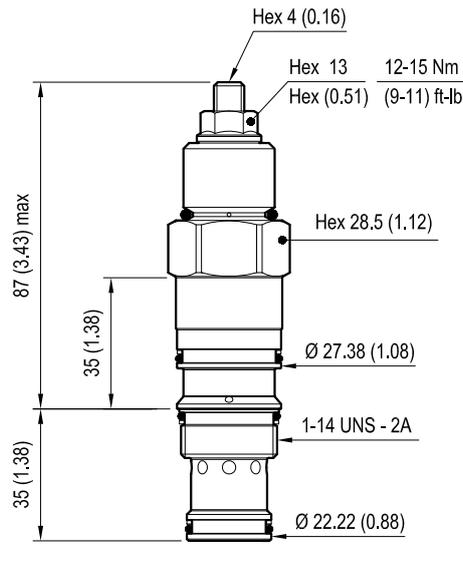
Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min. (gpm)	120 (32)
Max. internal leakage (*)	drops/min.	15
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	60-70 (45-50)
Weight	kg (lbs)	0.4 (0.88)
Cavity		SUN T-2A
Seal kit (**)	code material no.	RG12U9020110100 R930005599
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

04.59.30	X	86	Z	00	*
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Counterbalance, vented guided poppet type, counterclockwise adjustment

Pilot ratio

= 03 4:1

SUN cavity interchange, T-2A

Series 0/A to L unchanged performances and dimensions

Version and options standard

	SPRINGS		
	Adj. press. range bar (psi)	Pressure increase bar/turn (psi/turn)	Cracking pressure bar (psi)
= 20	70-210 (1000-3000)	39 (566)	200 (2900)
= 35	140-350 (2000-5000)	123 (1784)	350 (5000)

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

Type	Material number
045930038620000	R930006131
045930038635000	R930006132

Type	Material number