

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

VBST-12U-RS

04.59.30 - X - 86 - Z

RE 18320-24

Edition: 03.2016

Replaces: 03.2015



Technical data

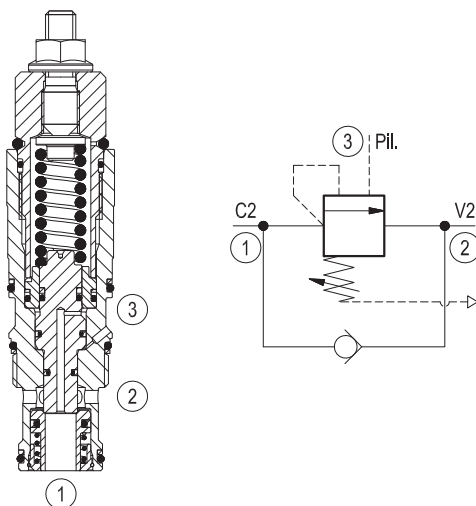
Max. operating pressure	350 bar (5000 psi)
Max. flow	120 l/min (32 gpm)
Max. internal leakage ¹⁾	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	60 - 70 Nm (45 - 50 ft-lbs)
Weight	0.4 kg (0.88 lbs)
Cavity	SUN T-2A
Seal kit ²⁾	Code: RG12U9020110100 material no: 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 position	No restrictions
Other Technical Data	See data sheet 18350-50

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

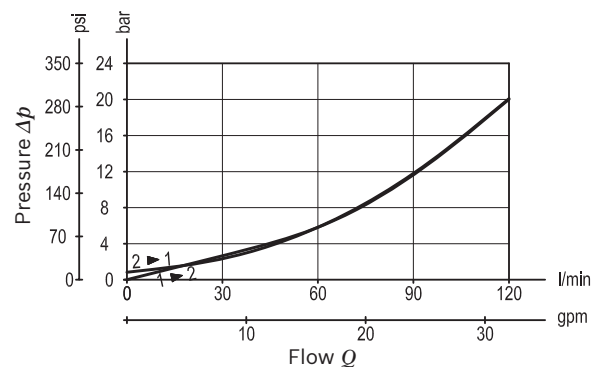
- 1) At 70% of pressure setting
- 2) Only external seals for 10 valves

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.



Characteristic curve



Ordering code

04.59.30	X	86	Z	00	*
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Pilot ratio

03 4:1

86 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)	Std. setting bar (psi) cracking pressure
20	70-210 (1000-3000)	39 (566)	200 (2900)
35	140-350 (2000-5000)	123 (1784)	350 (5000)

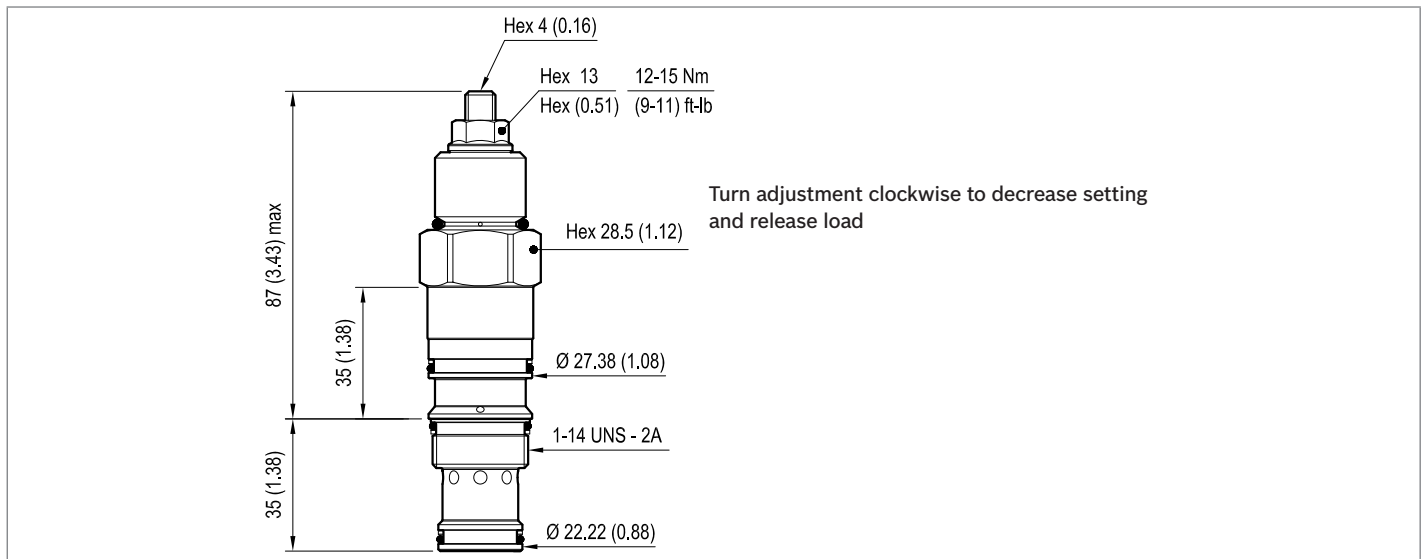
Note: Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Type	Material number
045930038620000	R930006131
045930038635000	R930006132

Type	Material number

Dimensions



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