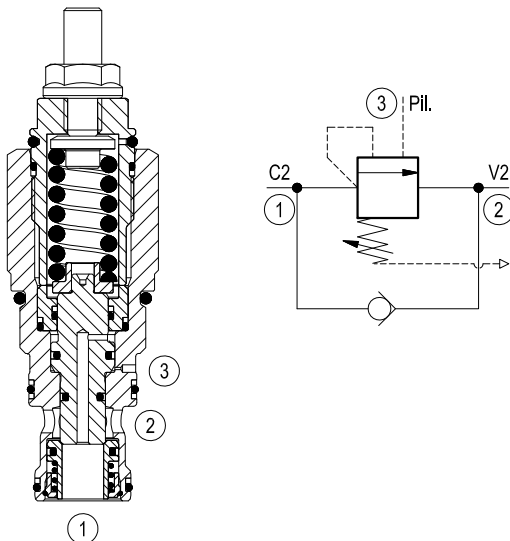


Counterbalance, vented guided poppet type

Common cavity, Size 16

VBST-16A

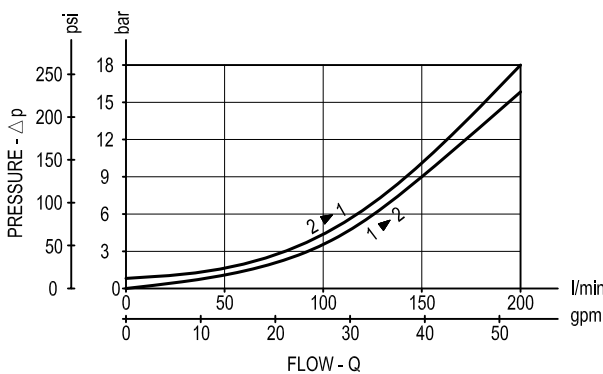
04.59.27 - X - 27 - Z



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, 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

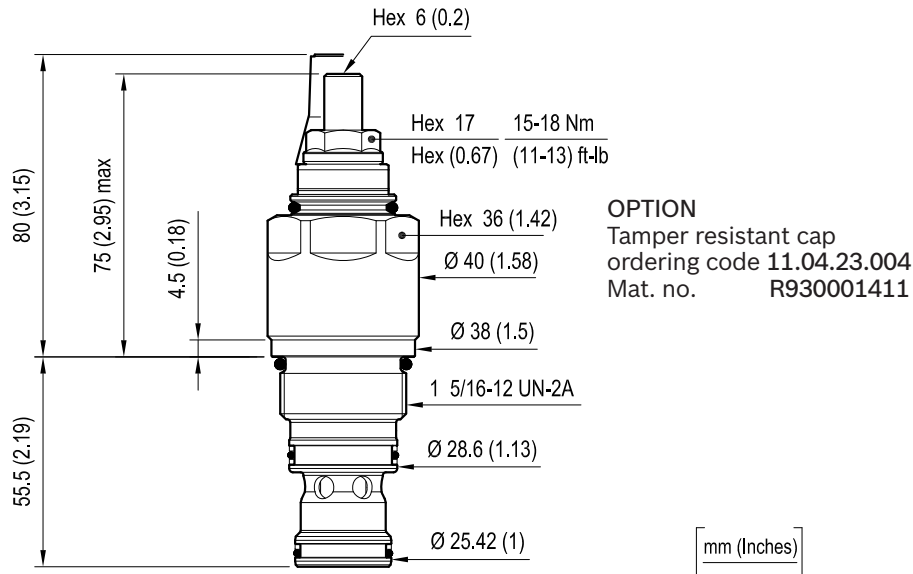
Max. operating pressure	bar (psi)	350 (5000)
Max. flow	l/min. (gpm)	200 (53)
Max. internal leakage (*)	drops/min.	15
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Installation torque	Nm (ft-lbs)	108-122 (80-90)
Weight	kg (lbs)	0.55 (1.21)
Cavity		CA-16A-3C see data sheet RE 18325-70
Seal kit (**)	code material no.	RG16A9010530100 R930001200
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



Ordering code

04.59.27	X	27	Z	00	*
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Counterbalance, vented guided poppet type

Pilot ratio
= 03 4:1

Common cavity, Size 16

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) Q=5 l/min
= 35	140-350 (2000-5000)	83.5 (1210)	350 (5000)

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

Type	Material number
045927032735000	R901162012

Type	Material number