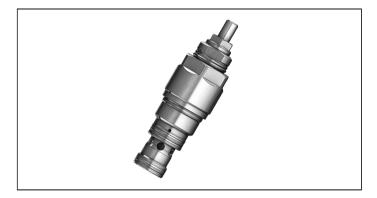


Counterbalance, vented guided poppet type Common cavity, Size 16

VBST-16A

04.59.27 - X - 27 - Z

RE 18320-14 Edition: 03.2016 Replaces: 01.2010

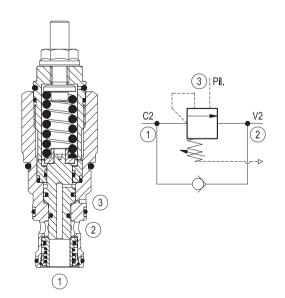


Description

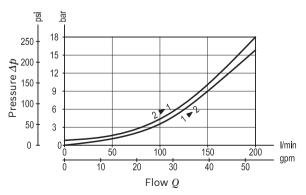
When pressure at 2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from 2 to 1. When load pressure at 1 rises above the pressure setting, the direct-acting, relief function is activated and flow is relieved from 1 to 2. With pilot pressure at 3, 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.

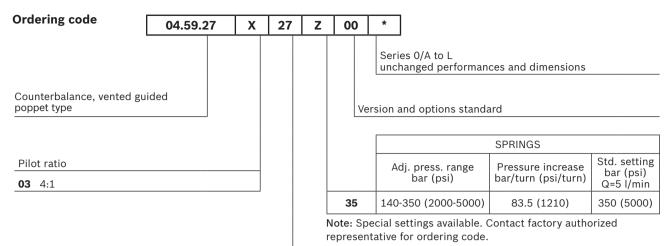
lechnical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	200 l/min (53 gpm)
Max. internal leakage ¹⁾	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	108 - 122 Nm (80 - 90 ft-lbs)
Weight	0.55 kg (1.21 lbs)
Cavity	CA-16A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ²⁾	Code: RG16A9010530100
	material no: R930001200
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm²/s (cSt)
Recommended degree of fluid contamination	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



Characteristic curve





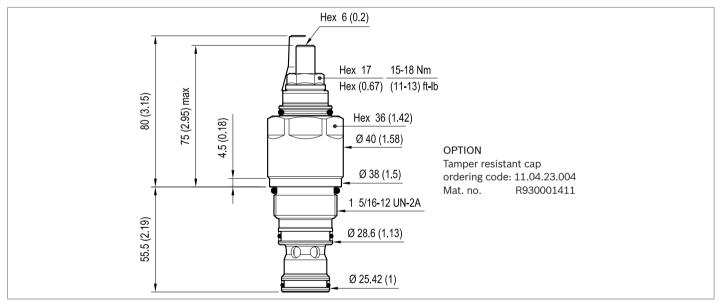
27 Common cavity, Size 16

Preferred types

Туре	Material number
045927032735000	R901162012

Туре	Material number

Dimensions



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