

# Counterbalance, standard poppet type differential area Common cavity, Size 10

VBSN-10A 04.52.31 - X - 85 - Z

**RE 18320-02**Edition: 01.2010
Replaces: 01.2006

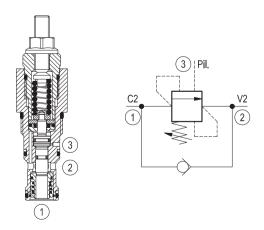


# **Description**

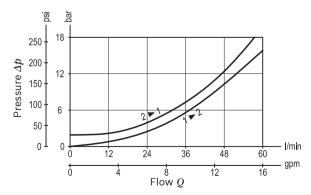
When pressure at 2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from 2 to 1. When load pressure at 1 rises above the pressure setting, the direct-acting, differential area relief function is activated and flow is relieved from 1 to 2. With pilot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

Technical data	
Max. operating pressure	350 bar (5000 psi)
Max. flow	60 l/min (16 gpm)
Max. internal leakage <sup>1)</sup>	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight	0.2 kg (0.44 lbs)
Cavity	CA-10A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit <sup>2)</sup>	Code: RG10A9010520100
	material no: R901111367
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm <sup>2</sup> /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

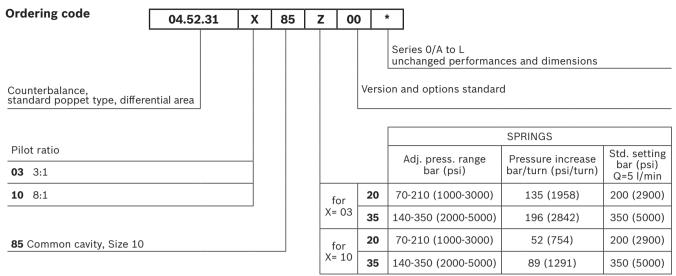
- 1) At 70% of pressure setting
- 2) Only external seals for 10 valves



# **Characteristic curve**







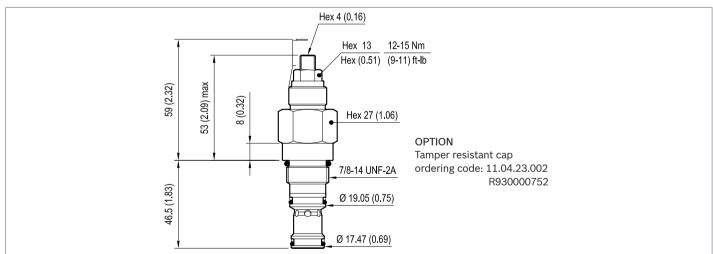
**Note:** Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Туре	Material number
04523103852000A	R901096029
04523103853500A	R901096037
04523110852000A	R901096038
04523110853500A	R901096041

Туре	Material number
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# **Dimensions**



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