

# Relief, direct acting guided poppet type Common cavity, Size 10

VSBN-10A

04.11.55 - X - 85 - Z

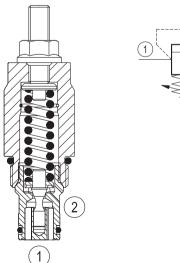
**RE 18318-05** Edition: 10.2021

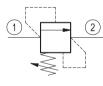
Replaces: 01.2019



# **Description**

Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the poppet from its seat and allowing relief flow through port 2 to tank. Pressure at port 2 is additive to the relief setting of the valve. The unique Bosch Rexroth Oil Control poppet design provides enhanced stability at all flows and pressures.

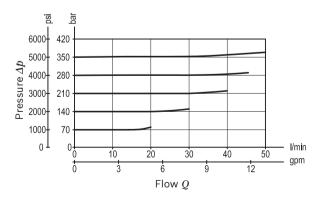


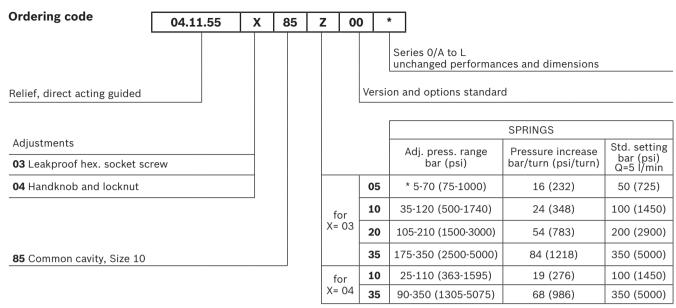


Technical data	
Max. operating pressure port 1 (P)	350 bar (5000 psi)
Max. pressure admitted port 2 (T)	350 bar (5000 psi)
Max. flow	50 l/min (13 gpm)
Max. internal leakage <sup>1)</sup>	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight	0.2 kg (0.44 lbs)
Cavity	CA-10A-2N (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: RG10A2010530100
	material no: R901111366
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 20/18/15
Installation position	No restrictions
Other Technical Data	See data sheet 18350-50
1.000/ 6	

- 1) At 80% of pressure setting
- 2) Only external seals for 10 valves

#### Characteristic curve





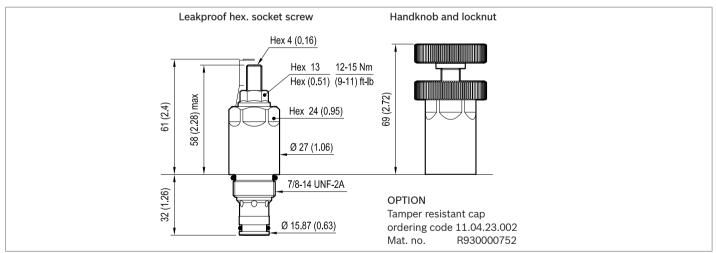
Note: Special settings available. Contact factory authorized representative for ordering code.

#### **Preferred types**

Туре	Material number
041155038505000	R901191831
041155038510000	R901113609
041155038520000	R901113610
041155038535000	R901115702

Material number	
R930058261	
R930058262	
	R930058261

### **Dimensions**



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<sup>\*</sup> minimum pressure setting intended with Q=5 I/min