

Counterbalance, standard poppet type differential area Common cavity, Size 16

VBSN-16A



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. Valve design prevents spring going solid and complete unscrewing during adjusting.



04.52.29 - X - 27 - Z

RE 18320-04

Edition: 07.2023 Replaces: 05.2022

350 bar (5000 psi)
200 l/min (53 gpm)
15 drops/min.
30 to 100 °C (-22 to 212 °F)
108 - 122 Nm (80 - 90 ft-lbs)
0.82 kg (1.81 lbs)
150 years see RE 18350-51
CA-16A-3C (see data sheet 18325-70)
according to ISO 4413 with sealed adjustment screw to prevent oil eakage during adjustment
500h according to DIN EN ISO 9227:2017-07
Please refer to section "Hydraulic ntegrated circuit" or consult factory
Code: RG16A9010530100
material no: R930001200
Vineral-based or synthetics with ubricating properties at viscosities of 10 to 500 mm²/s (cSt)
Nominal value max. 10µm (NAS 8) / SO 4406 19/17/14
No restrictions

Pressure setting: at least 1.3 times the load induced pressure and maximum 1.5 times catalogue max nominal setting.

1) At 70% of pressure setting

2) Only external seals for 10 valves

Characteristic curve





Note: Special settings available with optional tamperproof cap. Contact factory authorized representative for ordering code.

Preferred types

Туре	Material number
04522903272000M	R930079983
04522903273500M	R930079984
04522910274000M	R930081289

Туре	Material number

Dimensions



Bosch Rexroth Oil Control S.p.A.

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