

Relief, direct acting poppet type
differential area
Common cavity, Size 08

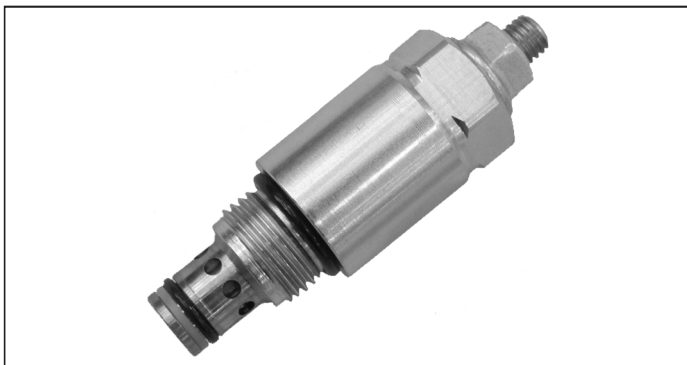
VSDN-08A

04.15.22 - X - 56 - Z

RE 18318-02

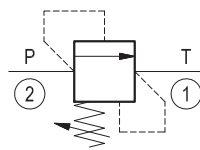
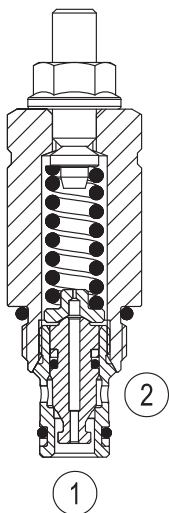
Edition: 09.2017

Replaces: 03.2016



Description

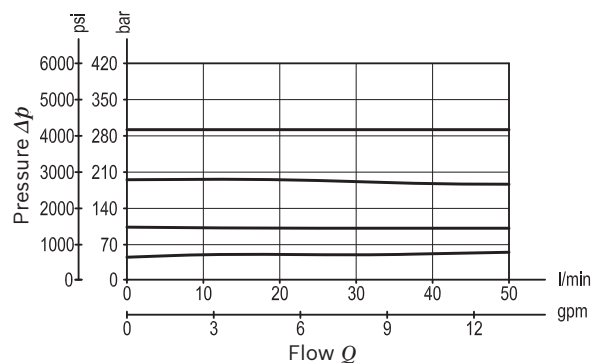
Flow is blocked from 2 to 1 until pressure increases to meet the selected valve setting, lifting the poppet from its seat and allowing relief flow through port 1 to tank. Pressure at port 1 is additive to the relief setting of the valve. The unique Bosch Rexroth Oil Control poppet design provides enhanced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



Technical data	
Max. operating pressure port 2 (P)	350 bar (5000 psi)
Max. pressure admitted port 1 (T)	140 bar (2000 psi)
Max. flow	50 l/min (13 gpm)
Max. internal leakage ¹⁾	15 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	34 - 41 Nm (25 - 30 ft-lbs)
Weight	0.15 kg (0.33 lbs)
Cavity	CA-08A-2N (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ²⁾	Code: RG08A2010520100 material no: R901101437
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /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 80% of pressure setting
- 2) Only external seals for 10 valves

Characteristic curve



Ordering code

04.15.22	X	56	Z	00	*
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Relief, direct acting poppet type differential area

Adjustments

03 Leakproof hex. socket screw

56 Common cavity, Size 08

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
10	35-140 (500-2000)	32 (464)	100 (1450)
20	105-210 (1500-3000)	76 (1102)	200 (2900)
35	175-350 (2500-5000)	118 (1711)	300 (4350)

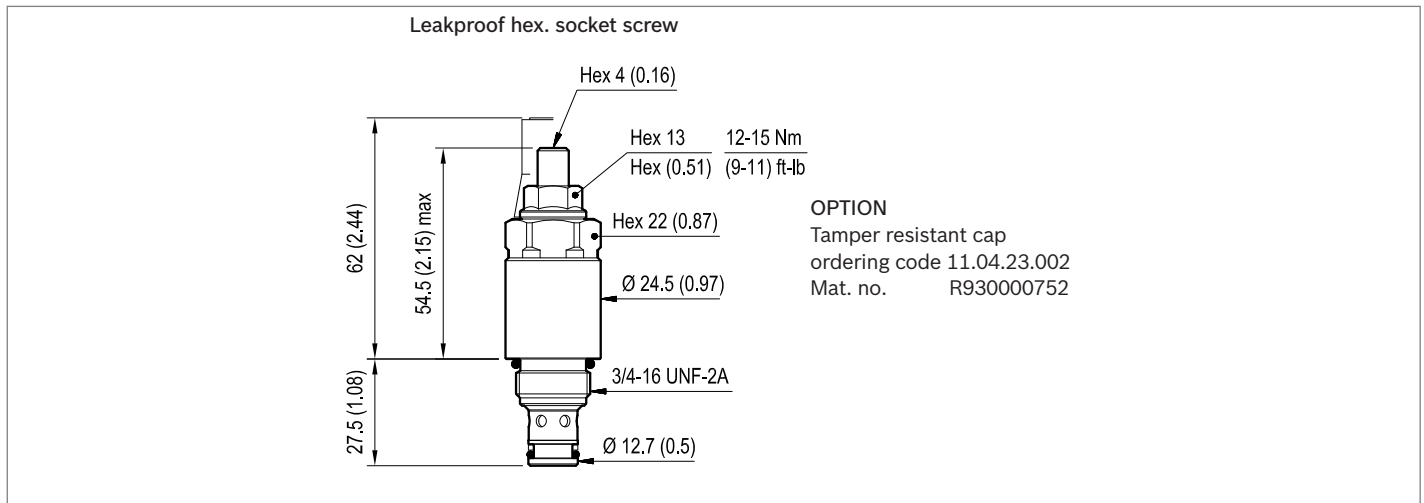
Note: Special settings available. Contact factory authorized representative for ordering code.

Preferred types

Type	Material number
041522035610000	R930005640
041522035620000	R930005641
041522035635000	R930005642

Type	Material number

Dimensions



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