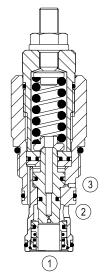


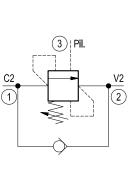
RE 18320-04/01.10 1/2 Replaces: RE 00162-02/01.06

Counterbalance, standard poppet type differential area

Common cavity, Size 16

VBSN-16A



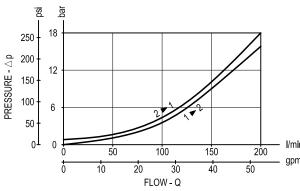


Description

04.52.29 - X - 27 - Z

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. Thespring chamber is drained to 2, and any back-pressure at 2 is additive to the pressure setting in all functions.

Performance



Technical data

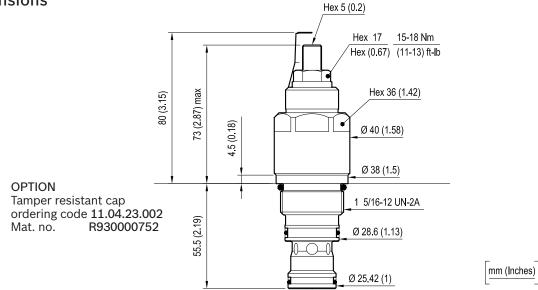
Max. operating pres	sure bar (psi)	350 (5000)	
Max. flow	l/min. (gpm)	200 (53)	
Max. internal leakage (*)	drops/min.	15	
Fluid temperature range °C (°F)		-30 to 100 (-22 to 212)	
Installation torque	Nm (ft-lbs)	108-122 (80-90)	
Weight	kg (lbs)	0.82 (1.81)	
Cavity		CA-16A-3C see data sheet RE 18325-70	
m Seal kit (**)	code material no.	RG16A9010530100 R930001200	
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm²/s (cSt)	
Filtration		Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14	
Installation		No restrictions	
Other Technical Da	ata	See data sheet RE 18350-50	
Brossuro sotting, a	t loact 1 2 time	s the lead induced pressure	

Pressure setting: at least 1.3 times the load induced pressure.

(*) At 70% of pressure setting

(**) Only external seals for 10 valves

Dimensions



Ordering code

[04.52	2.29	Х	27	Z	00	*		
							Series 0/A to L unchanged perform	nances and dimen	sions
Counterbalance, standard poppet type differential a						Vers	ion and options star	ndard	
								SPRINGS	
Pilot ratio = 03 4:1							Adj. press. range bar (psi)	Pressure increase bar/turn (psi/ turn)	Std. setting bar (psi) Q=5 l/min
= 10 8:1					for	= 20	70-210 (1000-3000)	40 (580)	200 (2900)
					X=0	3 = 35	140-350 (2000-5000)	82 (1189)	350 (5000)
					for	= 20	70-210 (1000-3000)	39 (566)	200 (2900)
Common cavity, Size 16					X=1) = 40	140-420 (2000-6000)	85 (1233)	350 (5000)
					Note	Speci	ial settings available. (Contact factory	

Note: Special se	ttings available	. Contact factory
authorized repre	esentative for o	rdering code

Туре	Material number	Туре	Material number
045229032720000	R901096047		
045229032735000	R901096048		
045229102720000	R930000797		
045229102740000	R901096049		

Bosch Rexroth Oil Control S.p.A. Via Leonardo da Vinci 5 P.O. Box no. 5 41015 Nonantola – Modena, Italy Tel. +39 059 887 611 Fax +39 059 547 848 cartridges@oilcontrol.com www.boschrexroth.com © This document, as well as the data, specifications and other information set forth in it, are the exclusive property of Bosch Rexroth Oil Control S.p.a.. It may not be reproduced or given to third parties without its consent.

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Subject to change.