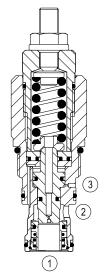


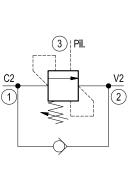
RE 18320-04/01.10 1/2 Replaces: RE 00162-02/01.06

# Counterbalance, standard poppet type differential area

# Common cavity, Size 16

VBSN-16A



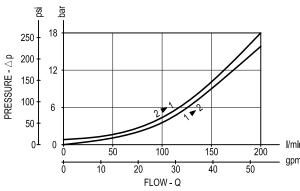


#### Description

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

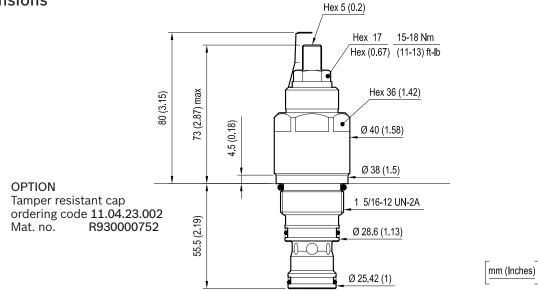
Max. operating pres	sure bar (psi)	350 (5000)	
Max. flow	l/min. (gpm)	200 (53)	
Max. internal leakage (*)	drops/min.	15	
Fluid temperature range °C (°F)		-30 to 100 (-22 to 212)	
Installation torque	Nm (ft-lbs)	108-122 (80-90)	
Weight	kg (lbs)	0.82 (1.81)	
Cavity		CA-16A-3C see data sheet RE 18325-70	
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		

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Subject to change.