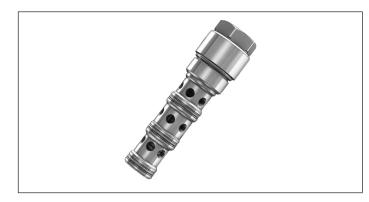


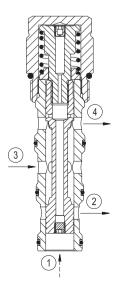
Logic element, pressure compensator with static load sense Common cavity, Size 16

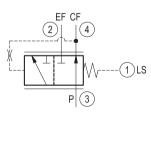
VRLA-16A-S



Description

The valve delivers priority flow, from 0 to max. available, on demand to port 4, while compensating for load changes downstream. In neutral, all input flow at 3 is given to the priority port 4. Pressure at 4 is applied to the spool against a spring force so that increasing pressure causes increasing by-pass of input flow to port 2. Load sense pressure at port 1, obtained between the downstream control and the load, assists the spring, and moves the spool back toward supplying priority flow. Comparison between priority outlet and LS pressure seeks a constant differential pressure over the control valve. As load and flow control change, the priority flow is increased or decreased to satisfy the demand establishing that differential.





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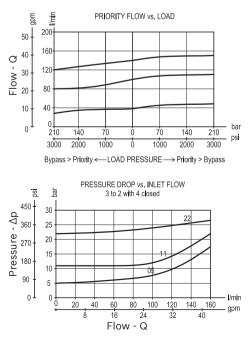
RE 18321-88

Edition: 03.2016 Replaces: 01.2010

Technical data				
Max. operating pressure	350 bar (5000 psi)			
Max. inlet flow	160 l/min. (42 gpm)			
Max. priority flow	140 l/min. (37 gpm)			
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)			
Installation torque	108- 122 Nm (80 - 90 ft-lbs)			
Weight	0.5 kg (1.1 lbs)			
Cavity	CA-16A-4N (see data sheet 18325-70)			
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory			
Seal kit ¹⁾	Code: RG16A4010530100			
	material no: R930000973			
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm²/s (cSt)			
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14			
Installation	No restrictions			
Other Technical Data	See data sheet 18350-50			

1) Only external seals for 10 valves

Characteristic curve

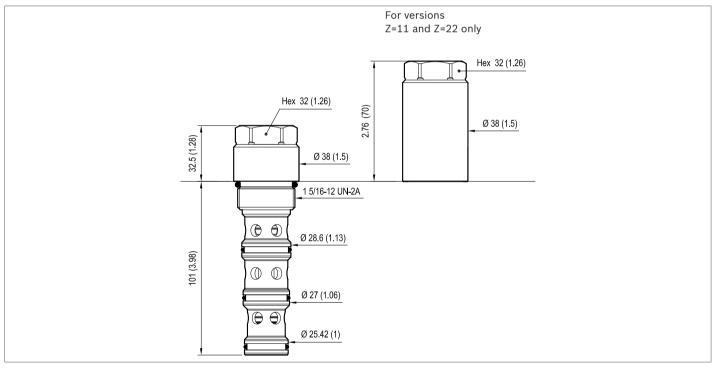


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Ordering code	04.84.09.00	27	z	:	00	*	
Logic element, pressure compe static load sense	nsator with				Ve	ur	eries 0/A to L achanged performances and dimensions and options standard
Static Ioau Selise					ve	ISIOIT	
					_		SPRINGS
							Bias spring bar (psi)
				05			5.5 (80) ± 20%
27 Common cavity, Size 16				11			11 (160) ± 15%
				22			22 (320) ± 15%

Preferred types

Туре	Material number	Туре	Material number
048409002705000	R930001078		
048409002711000	R930001079		
048409002722000	R930001080		

Dimensions



Bosch Rexroth Oil Control S.p.A.

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