

Pilot operated check, single

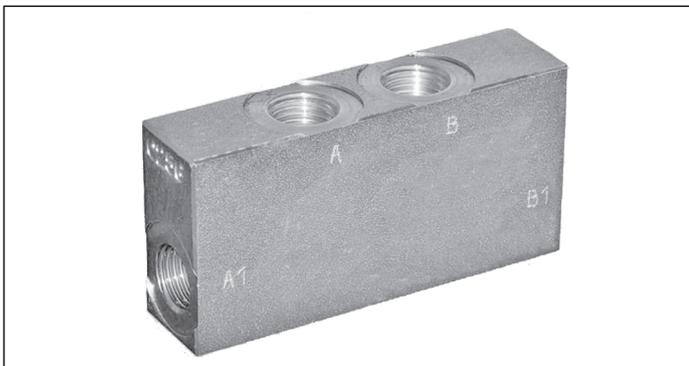
A-VSO-SE-LB

08.52.91 - X - Y - Z

RE 18307-10

Edition: 09.2019

Replaces: 03.2016



Technical data

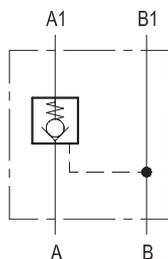
Max. operating pressure	350 bar (5000 psi)
Max. flow	20 l/min. (5 gpm)
Pilot ratio	4 : 1
Weight	0.35 kg (0.77 lbs)
Manifold material	Zinc plated steel
Fluid	Mineral oil (HL, HLP) according DIN 51524
Fluid temperature range	-30 °C to 100 (-22 to 212 °F)
Viscosity range	10 to 500 mm ² /s (cSt)
Recommended degree of fluid contamination	Class 19/17/14 according to ISO 4406
Other technical data	see data sheet 18350-50

Note: for applications outside these parameters, please consult us.

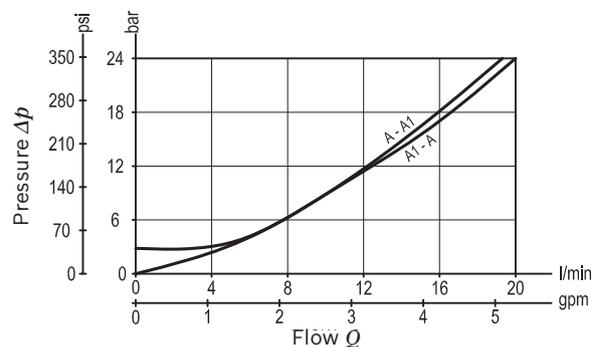
Description

Flow is allowed to pass from A to A1 when pressure at A rises above the spring bias pressure and the poppet is pushed from its seat. The valve is normally closed (checked) from A1 to A; when sufficient pilot pressure is present at B-B1 the pilot piston acts to push the poppet from its seat and flow is allowed from A1 to A. Precision machining and hardening processes allow virtually leak-free performance in the checked condition.

In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



Characteristic curve



Ordering code

08.52.91	X	Y	Z
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O-Ring on pilot piston

10 With O-Ring

Port sizes	A - B	A1 - B1	
09	G 1/4	G 1/4	

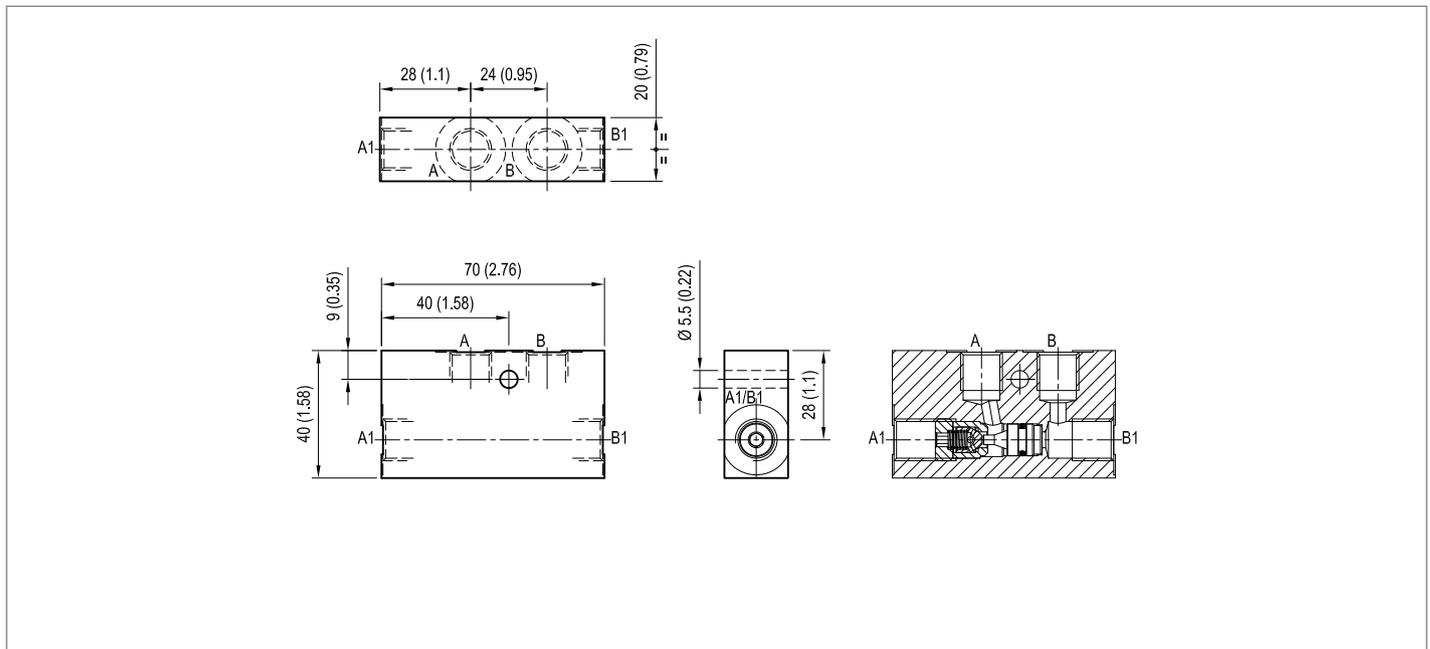
	SPRINGS
	Cracking pressure bar (psi)
00	3 (44)

Preferred types

Type	Material number
085291100900000	R930004056

Type	Material number

Dimensions



Bosch Rexroth Oil Control S.p.A.

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